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HYDROLOGIC BULLETIN NO. 4

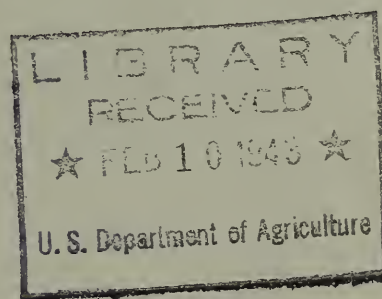
ISSUED 1942

# HYDROLOGIC DATA

NORTH APPALACHIAN EXPERIMENTAL WATERSHED  
COSHOCOTON, OHIO

1940

BY  
HYDROLOGIC DIVISION  
OFFICE OF RESEARCH  
SOIL CONSERVATION SERVICE



UNITED STATES DEPARTMENT OF AGRICULTURE

WASHINGTON, D. C.







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# UNITED STATES DEPARTMENT OF AGRICULTURE

Hydrologic Bulletin No. 4

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## HYDROLOGIC DATA: NORTH APPALACHIAN EXPERIMENTAL WATERSHED, COSHOCTON, OHIO, 1940

By Hydrologic Division, Office of Research, Soil Conservation Service

### INTRODUCTION

This publication is the second of a series of annual bulletins presenting basic hydrologic data collected at the North Appalachian Experimental Watershed near Coshocton, Ohio. This project is one of several similar projects in the United States at which the hydrologic problems as affected by agricultural practices within the field of the Soil Conservation Service are being studied.

The hydrologic data presented in this bulletin are being collected primarily to determine the effect of agricultural land use practices on the conservation of soil and water and on floods. These data are also needed for economically designing the erosion, flood-control, and hydraulic structures used in the general soil- and water-conservation program. Available data for these uses are extremely meager. Without such data it is impossible to make accurate estimates of the magnitude of the run-off which must be handled by the channels, spillways, check dams, culverts, stock ponds, and other hydraulic works in water-facilities and soil- and water-conservation operations. The lack of dependable in-

formation on run-off often results in the complete failure of such works. Even more frequently perhaps, insufficient information leads to the use of unnecessarily high factors of safety in the design of structures and thus to unjustifiably high costs. These data will be of value in the various action programs of the Department of Agriculture and also in the flood-control activities carried on cooperatively by the War Department and the Department of Agriculture. The War Department also has need for such information in dealing with run-off in army camps and airports and in directing reservoir operations on existing power and navigation projects. Engineers of the Public Roads Administration and State highway departments have use for it in designing road culverts, weirs for check dams, and roadside and diversion ditches. Municipal engineers can use such information in planning water supplies for cities, in providing for run-off from suburban areas tributary to storm sewers and streams, and in solving many other drainage and erosion problems

**ACKNOWLEDGMENTS.**—The work on this experimental watershed project was done in cooperation with the Ohio Agricultural Experiment Station, Edmund Secrest, director, and Robert M. Salter, associate director and chief, Department of Agronomy; and with the Muskingum Watershed Conservancy District, Bryce C. Browning, executive secretary. Valuable assistance was rendered by various technicians of the College of Agriculture and the College of Engineering of Ohio State University, the United States Geological Survey, and the Office of Technical Operations of the Soil Conservation Service. Robert E. Yoder, cooperative agent, employed jointly by the Ohio Agricultural Experiment Station and the Soil Conservation Service, has been responsible for conduct of cooperative relations with all State agencies and has devoted much of his time to technical problems on the project.

The data in this bulletin were collected by the project staff of the North Appalachian Experimental Watershed Project under the direction of W. D. Ellison, project supervisor, and assembled for publication by H. S. Riesbol, hydraulic engineer in charge of hydrologic investigations and Leonard Schiff, associate hydraulic engineer, assisted by B. X. Landrine, F. R. Dreibelbis, W. H. Pomerene, F. A. Post, Harold Black, Dan Hall, L. A. Boz, Victor Mockus, Robert Youker, Tollie Sailors, and others. General direction for the collection and preparation of the data originated from H. R. Leach and L. L. Harrold of the Washington Office, Hydrologic Division, C. E. Ramser, chief.



arising on park and airport projects. Railroads and other utilities have need for this information in water-supply, drainage, and erosion work.

In connection with this work, run-off measuring stations with attendant rain gages were established on areas ranging in size from 0.002-acre lysimeter plots to natural watersheds of 4,580 acres. The watersheds for which records are included in this bulletin are listed below:

Mixed cover watershed:		Acres
92.....	920	
95.....	2,569	
97.....	4,581	
10.....	122	
20.....	373	
177.....	75.6	
196.....	303	
Single crop watershed:		
102.....	1.25	
104.....	1.33	
107.....	2.59	
109.....	1.69	
113.....	1.45	
115.....	1.61	
123.....	1.37	
130.....	1.63	
131.....	2.21	
192.....	7.86	
Lysimeters:		
Y101.....	.002	
Y102.....	.002	
Y103.....	.002	

## DESCRIPTION OF THE PROJECT

An area known locally as Little Mill Creek watershed, about 10 miles north of Coshocton, Ohio, in the Muskingum River Basin, was selected for the hydrologic studies. The area is typical of the general farming area of the North Appalachian physiographic province that comprises eastern Ohio, western Pennsylvania, north-eastern Kentucky, and western West Virginia. The experimental area lies south of the limits of glaciation, at a latitude of 40°22' north, and within an elevation range of 800 to 1,300 feet mean sea level.

In general it may be said that the valleys are narrow and have high gradients and steep slopes. Land steeper than 20 percent slope occurs on approximately 30 percent of the area, whereas fairly level land of less than 5-percent slope occurs on only 5 percent of the area. The drainage pattern of nearly all watersheds, regardless of size, is well defined.

The bedrock of the area consists of the sandstones, shales, clays, limestones, and coal and iron ores of the upper Pottsville, the Allegheny, and the lower Conemaugh series of the Pennsylvania system.

The most extensive soil series is the Muskingum, an upland soil developed from sandstone and shale. The surface soil of the Muskingum silt loam is brown to

yellowish brown, normally about 6 to 8 inches thick. The subsoil is yellowish brown and contains occasional sandstone and shale fragments, the number usually increasing with depth. Surface and internal drainage are good. The reaction is normally acid. Muskingum loam is derived largely from sandstone and is coarser in texture throughout the profile than Muskingum silt loam. It is rather shallow and contains numerous sandstone fragments. The unweathered sandstone rock occurs at a depth of 18 to 30 inches. The loam is also acid in reaction.

The experimental watershed lies within the humid region. The mean annual temperature at Coshocton for a period of 26 years (1915-40) is 52.2° F., and the mean annual precipitation for a period of 36 years (1905-40) is 40.8 inches. During the winter months a large proportion of the precipitation is in the form of snow, the average annual snowfall being about 20 inches. The project lies within a belt of moderately intense rainfall. Rainfall amounting to 1.56 inches within a 10-minute period occurred at Zanesville, Ohio, in July 1936.

About 26 percent of Little Mill Creek watershed is in permanent woodland cover, 24 percent in permanent and semipermanent pastures, and 12 percent in miscellaneous usage such as farmyards, orchards, and idle land. The remaining 38 percent of the watershed is under cultivation, about 23 percent in rotation meadow and 15 percent in cultivated crops, chiefly corn, wheat, and oats.

## PERIOD OF RECORD

The period covered by the data presented in this bulletin is from January 1 to December 31, 1940. Work on the North Appalachian Experimental watershed began during the latter part of 1935, and the rainfall and run-off data were not collected until late in 1936.

### GENERAL CLIMATE DURING THE YEAR 1940

The year 1940 was the coolest since 1926. January, February, March, April, and September were below normal in temperature and June, October, and December were above normal. The other 4 months were near normal. January was the second coldest month recorded by the United States Weather Bureau in Ohio.

Precipitation was about 5 inches above normal for the year. January, September, and October were dry; April, May, June, August, and November were wet. Most of the August rain was concentrated in the last week. Several localized and intense thundershowers occurred during June and the early part of July. These storms produced flash run-off on the smaller watersheds and considerable soil loss occurred.

The last killing frost in the spring occurred on May 5, and the first killing frost in the fall occurred on October 19.



## UNITS AND DEFINITIONS

[All time referred to in this bulletin is eastern standard time]

**DRAINAGE AREA, DRAINAGE BASIN, and WATERSHED**—The area drained by a stream system above a designated point on the stream. In this bulletin these terms are used synonymously.

### PRECIPITATION

**AMOUNT**—The total rain that falls in a given period expressed in inches depth. Snow and hail are expressed in inches depth of their water equivalent.

**INTENSITY or RAINFALL RATE**—The average rate at which the precipitation falls for a given time interval, generally expressed in inches per hour.

### HUMIDITY

**RELATIVE HUMIDITY**—The amount of moisture present in the atmosphere expressed as a percent of the maximum amount of water vapor that the atmosphere could contain without condensation under the same conditions of temperature and pressure.

### RUN-OFF

In this bulletin, rates of flow are expressed as discharge in second-feet (cubic feet per second) or run-off in inches per hour. Amounts of run-off are given in inches depth on the drainage area.

**SECOND-FEET**—The volume of water in cubic feet that passes a given section of a stream in 1 second. Second-feet and cubic feet per second are synonymous.

**INCHES PER HOUR**—The depth, in inches, to which the amount of water passing a given section of a stream in

a given time interval would cover the drainage area above that section if the water flowed at the same average rate for 1 hour.

**RUN-OFF IN INCHES**—The depth in inches to which the drainage area would be covered if the amount of water flowing from it in a given period were uniformly distributed on its surface.

### LAND USE

**MEADOW**—Land from which hay is obtained.

**PASTURE**—Grassland used for grazing.

**STOOLING**—The stage of development in plants of the grass family during which additional shoots are extended from the crown at the base of the stem.

**FLOWERING**—The stage of plant development at which 50 percent or more of the plants are in flower.

**SEED STAGE**—The stage of plant development at which the seed is fully developed.

**SOFT DOUGH**—The stage of seed development in the small grains during which the seed has attained its full size but is still soft and pasty.

**HARD DOUGH**—The stage of seed development in the small grains during which the plants are coming into full maturity. The seeds are hardening and the stems and leaves have lost at least 60 percent of their moisture.

**LODGING**—Plants laid flat on the ground by the action of wind and rain.

**DORMANT**—A condition such that plants or plant parts to all appearances do not grow. This condition is usually associated with perennials and occurs under drought in late summer or low temperature in winter.

## FARMING PRACTICES

The basic crop rotations commonly followed in this area consist of corn, oats, wheat, followed by 1 to 3 years of meadow, or of corn, wheat followed by 1 to 3 years of meadow. The distribution of crops over the various watersheds is presented in table 9.

Corn usually follows meadow in the rotation. Plowing is done March 10 to May 15. Following the plowing operation most fields are disked once with a two-horse disk and crossed twice with a spike-toothed harrow. The corn is drilled May 10 to 25, at the rate of 8 to 10 pounds per acre, either with a two-row corn planter set at approximately 42 inches by 12 inches or with a two-row hill-drop planter set at approximately 42 to 32 inches. The corn is cultivated two to four times, June 7 to July 5, usually with a two-horse, six-shovel walking cultivator. Corn is ordinarily cut and

shocked for fodder, September 7 to 30. The ears are husked from the field shocks October 7 to November 15. Most of the fodder is left in the field to be hauled out as needed during the winter.

Oat fields are usually plowed during March or April. The seed grain is drilled at the rate of approximately 2 bushels per acre during April or early May. Oats are harvested with a binder July 15 to 30. The shocks are either hauled into barns or left in the field until August 10 to 20 when they are threshed.

Winter wheat is commonly grown in this area and usually follows either oats or corn in the rotation, although occasionally it may follow meadow or plowable pasture. Wheat is drilled, normally, at the rate of approximately 2 bushels per acre on plowed or disked fields. Oats stubble is plowed for wheat during August



and early September. Corn stubble is double-disked for wheat September 20 to October 10. Wheat is planted October 1 to 10. It is harvested with a binder June 24 to July 4. The shocks are left in the field or stored in barns until July 20 to 31 when they are threshed. The straw piles are usually made within 50 feet of the cattle barn and not in the fields.

The majority of the meadows are clover-timothy. Timothy is usually drilled early in October with the wheat. Red clover, or alsike clover and red clover, is broadcast March 20 to April 15 on the wheat ground already seeded to timothy. There is also a growing tendency to include alfalfa in the mixture. First-year mixed meadows, predominantly clover, are cut for hay June 20 to July 20. Second growth is harvested for clover seed August 15 to September 1 or pastured until the first frost. Second-year mixed meadows, predominantly timothy, are cut for hay July 15 to August 15, and the second growth is used for fall and winter pasture.

Alfalfa meadows are established by seeding broadcast on the wheat ground March 20 to April 15. They are seldom pastured except when they are to be plowed the following spring.

Soybeans are occasionally planted in this area as an emergency crop in place of corn. The soil is prepared by plowing May 5 to 15. The field is then disked once and crossed twice with a spike-toothed harrow. The beans are sown with a disk drill at the rate of 2 to 2½

bushels per acre May 15 to June 15. The drill rows are approximately 7 inches apart. The crop is cut with a mowing machine August 10 to 25. The bean hay is partly cured in the swath, then placed in haystacks to finish curing before being hauled from the field.

Early potatoes are grown in fields of less than 1 acre. The usual land preparation is deep plowing, 7 to 10 inches, March 15 to April 15, disking twice and crossing twice with a spike-toothed harrow. They are planted in hills or drills April 1 to May 1, cultivated with a spike-toothed harrow once April 15 to May 15, and with a six-shovel walking cultivator two to four times May 25 to June 20. Small ridge cultivation is common. Early potatoes are harvested during August by hand digging, with a fork, or by a horse-drawn digger. The land is then left bare or disked and seeded to rye or wheat.

Late potatoes are usually planted May 20 to June 15, cultivated June 15 to July 15, and harvested October 1 to 15.

Pastures can be divided into two groups, permanent and plowable. Permanent pasture is located on 20- to 30-percent slopes. Most plowable pasture is located on 15- to 25-percent slopes or on poorly drained bottom land. It is usually cropped 3 out of 10 years, in a rotation of wheat 1 year, meadow 2 years, and pasture 4 to 7 years. It is fall-plowed August 1 to September 10 before being sown to wheat.

## INSTRUMENTATION AND METHODOLOGY

### PRECIPITATION

At the end of December 1940 there were 27 rainfall stations recording rainfall intensities and amounts and 66 additional stations where records of daily rainfall amounts were being obtained. The location of these rainfall stations is shown on figures 1 and 2.

### MEASURING DEVICES

Rainfall amount is measured in Weather Bureau 8-inch standard rain gages that are exposed in accordance with specifications of the Hydrologic Division. Each gage is mounted on a concrete pedestal in the center of a woven-wire enclosure 8-feet square. The standard gages are read once daily at 8 a. m. by local observers.

Rainfall intensity is measured in Fergusson weighing and recording rain and snow gages of 9-inch capacity operating on chart scales of 1 inch equals approximately 50 minutes and of 1 inch equals a ⅜-inch depth of rainfall. At most of the recording gages there is, in addition, a standard gage that can be used to check the total amount of rain caught by the recording gage.

All recording rain gages are serviced by the project personnel.

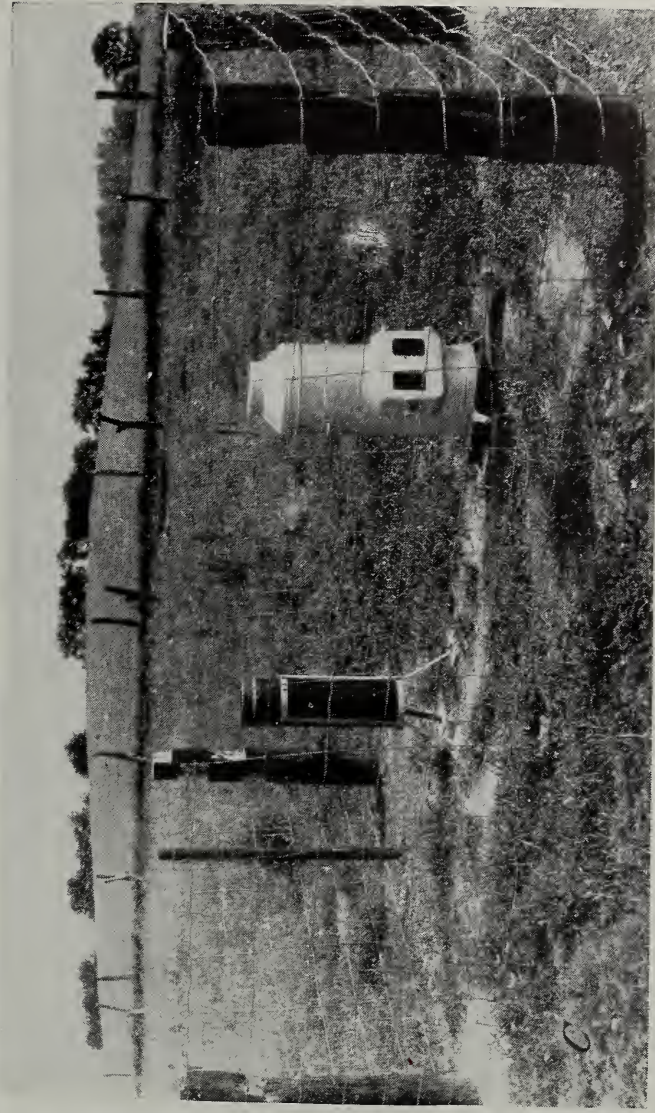
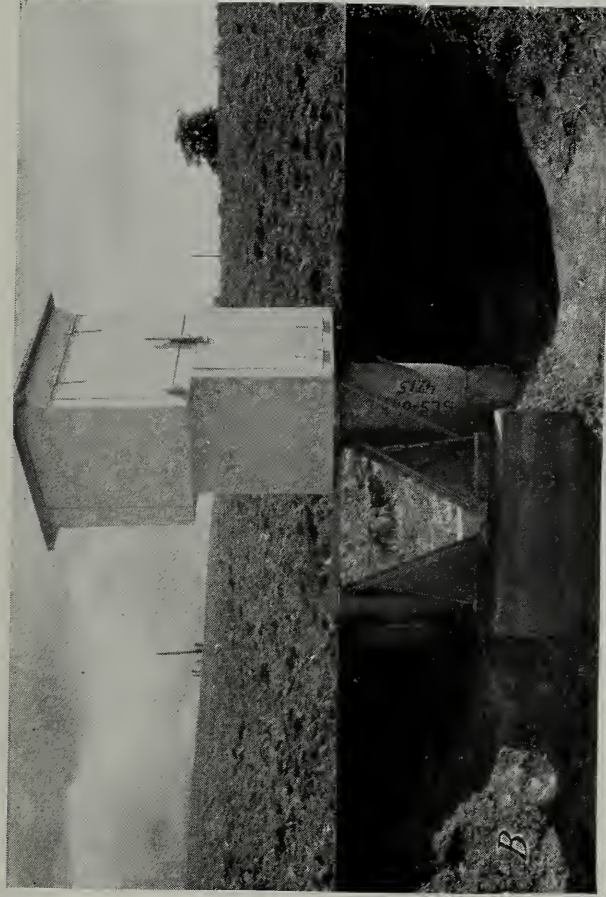
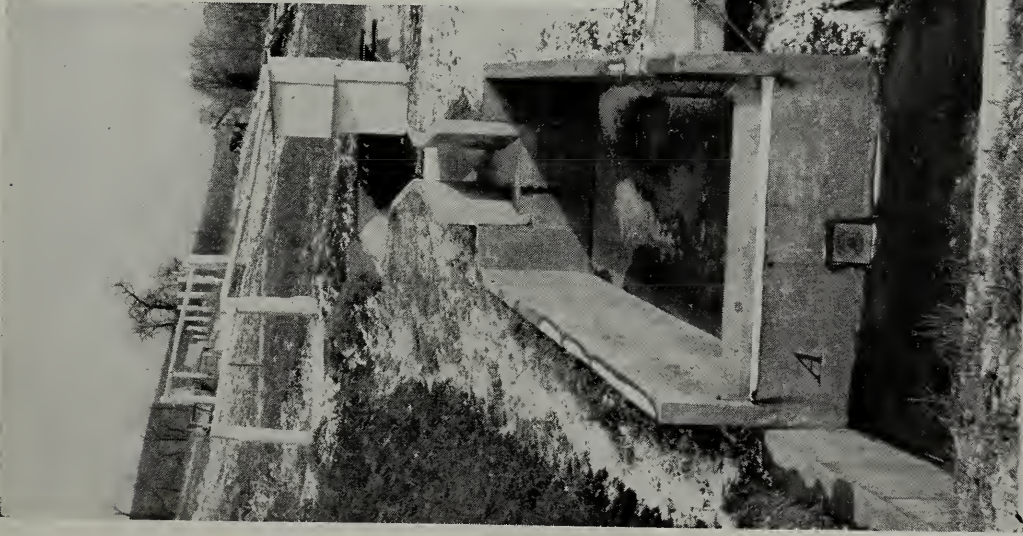
Snowfall is measured directly in the Fergusson gages. In the nonrecording rain and snow gages the snow catch is melted to determine water-depth equivalent. Each rainfall and snowfall measuring station is also equipped with a snow board on which the depth of each freshly fallen snow is measured. The snow board consists of a 1-foot-square pine board covered with muslin.

Intensity records from individual gages are computed for each regular clock 5-minute, 10-minute, 15-minute, 30-minute, or 1-hour interval, or multiples thereof, during which rain fell at uniform intensity. In addition the individual intensities are computed for 1-, 2-, 3-, or 4-minute periods when rainfall during the regular intervals was not of uniform intensity.

### ACCURACY OF RECORDS

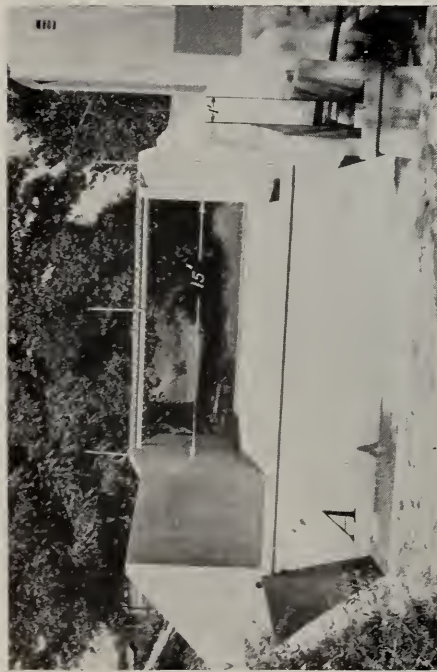
The exposure of the individual gages ranges from poor to excellent owing to the steep and highly dissected topography of the area and to the presence of much woodland and numerous farmsteads. Records of rainfall intensity and depth are good for 1940.





A, Parshall measuring flume of 1-foot throat width, approach basin, instrument shelter, silt box, and Ramser silt-sampling device as installed at the outlet of watershed 102; B, H measuring flume for flows up to 30 second-feet; C, a typical rainfall-measuring station which consists of U. S. Weather Bureau type nonrecording rain and snow gage and Fergusson weighing and recording rain and snow gage.





A, Dual Parshall measuring flume of 15-foot throat width with supplemental low-flow flume of 1-foot throat width as installed at the outlet of watershed 10; B, current-meter gaging station with Columbus deep-notch weir control as installed at the outlet of watershed 196, showing concrete wall for control of over-bank flow, instrument shelter, footbridge, and cableway for flood measurements; C, ground-water observation well, showing concrete cap, instrument shelter, and water-level recorder.







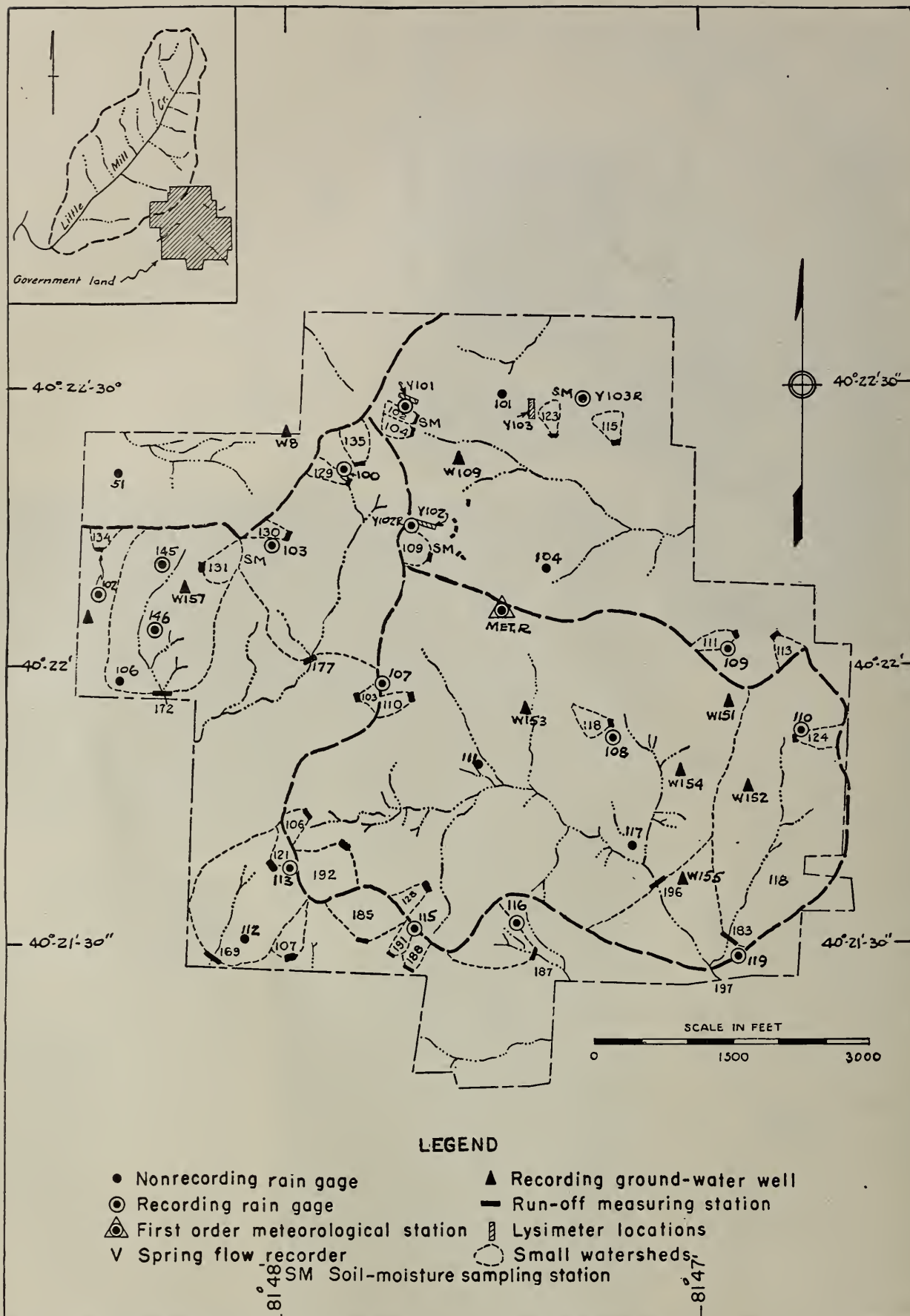


FIGURE 2.—Location of watersheds, instrumentation, and soil-moisture sampling stations on Government land.





A, West side of central meteorological station, showing meteorological instrument shelter and various types of shielded rain gages; B, east side of central meteorological station, showing evaporimeter and evaporation pans.





Surface view of lysimeter battery Y 102 with project office buildings in background.



## RUN-OFF

At the end of December 1940 records of run-off rates and amounts were being obtained for 48 watersheds. The watershed boundaries and the location of the run-off measuring stations are shown in figures 1 and 2.

### MEASURING DEVICES

Two kinds of run-off measuring stations are in operation (1) those having flow-measuring devices that have been previously calibrated, and (2) those requiring field calibration by means of current-meter measurements of discharge.

There are three types of precalibrated flumes in operation, the H flume, the Parshall measuring flume, and the dual Parshall measuring flume. Pictures of typical units of these flumes were presented with the data for 1939, in Hydrologic Bulletin No. 1.

The H flume was designed by the Soil Conservation Service to measure variable rates of flow up to 80 second-feet. It consists of converging vertical side walls cut back on a slope so as to give a trapezoidal projection of the outlet.

The Parshall measuring flume consists of a converging section, a throat, and a diverging section, the floor of the throat section being inclined. Flumes of 6-, 9-, and 12-inch throat have been installed on the project. Each of the Parshall flumes is accompanied by a silt box and Ramser automatic silt sampler and operates entirely under free flow conditions.

The dual Parshall measuring flume is a combination flume that consists of a Parshall flume of standard design with a side opening placed flush with the floor of the recovery section. Flows less than the minimum measurable capacity of the main flume pass through this opening into a small supplemental flume, either Parshall or type H, where they are measured. Main flumes of 4-, 8-, and 15-foot throat have been installed and cover the range of flows from watersheds ranging in size from 10 to 200 acres. Two stage recorders are used, one measuring the head on the Parshall flume used for the higher flows, the other on the small supplemental flume.

All flumes were calibrated in hydraulic laboratories by the Soil Conservation Service and were constructed in the field with all conditions as nearly identical as possible with those under which they were rated.

For watersheds larger than 200 acres in area the Columbus-type deep-notch ogee-control weir is used to stabilize the relation between stage and discharge for low flows. At most stations the stabilized channel banks serve as controls for medium and high flows; at others, where deep flows over the valley floors are expected, narrow concrete control walls have been extended across the valley floors.

Type FW-1 water-stage recorders operating on chart scales of 1 inch equals 25 minutes and 1 inch equals 0.20-foot stage are used at all run-off measuring stations.

### METHODS OF COMPUTATION

The records of stage are first corrected for improper time and errors in gage height due to ordinary errors such as datum shifts, intake stoppage, paper expansion and contraction, improper settings and instrument irregularities, all of which, except datum shifts, are noted at each station by routine inspections. Elevations of flumes, weirs, and recorders are checked by levels annually or oftener. The corrected gage heights are transferred from the recorder charts to computation sheets on which are tabulated the time and stage for (1) each change in the direction of the stage graph and (2) each additional point necessary to define the hydrograph and to compute the run-off amounts within allowable limits of error.

Rating tables showing the discharge in second-feet and in inches per hour for all stages are prepared for all stations. These tables are derived either from the laboratory calibrations or from rating tables determined from current-meter measurements. These stage-discharge tables are applied to the tabulated gage heights, and the individual values of discharge for each listed time are tabulated.

The discharge for each tabulated time is averaged with that for the preceding time, and this average discharge for the time interval is converted to run-off amount in inches for the interval. The run-off amounts for each time interval are then accumulated.

### ACCURACY OF RECORDS

The records from the small Parshall measuring flumes and the dual Parshall measuring flumes are of a high degree of accuracy. The records from the H flumes are of high accuracy except as the ratings may be affected by depositions of debris on flume floor and approach. Whenever possible, data are obtained to aid in the application of corrections to records of receding flows affected by debris deposits. Usually under such conditions the period of rise and peak discharge can be determined satisfactorily but the total discharge cannot always be computed. The accuracy of records from each station is described in connection with the summary of rainfall-run-off records from that station.

### GROUND WATER

Records of water level in ground-water observation wells are obtained by continuous recorders. Figures 2 and 3 show the location of these wells. A picture of a typical installation was presented with the data for 1939, Hydrologic Bulletin No. 1.



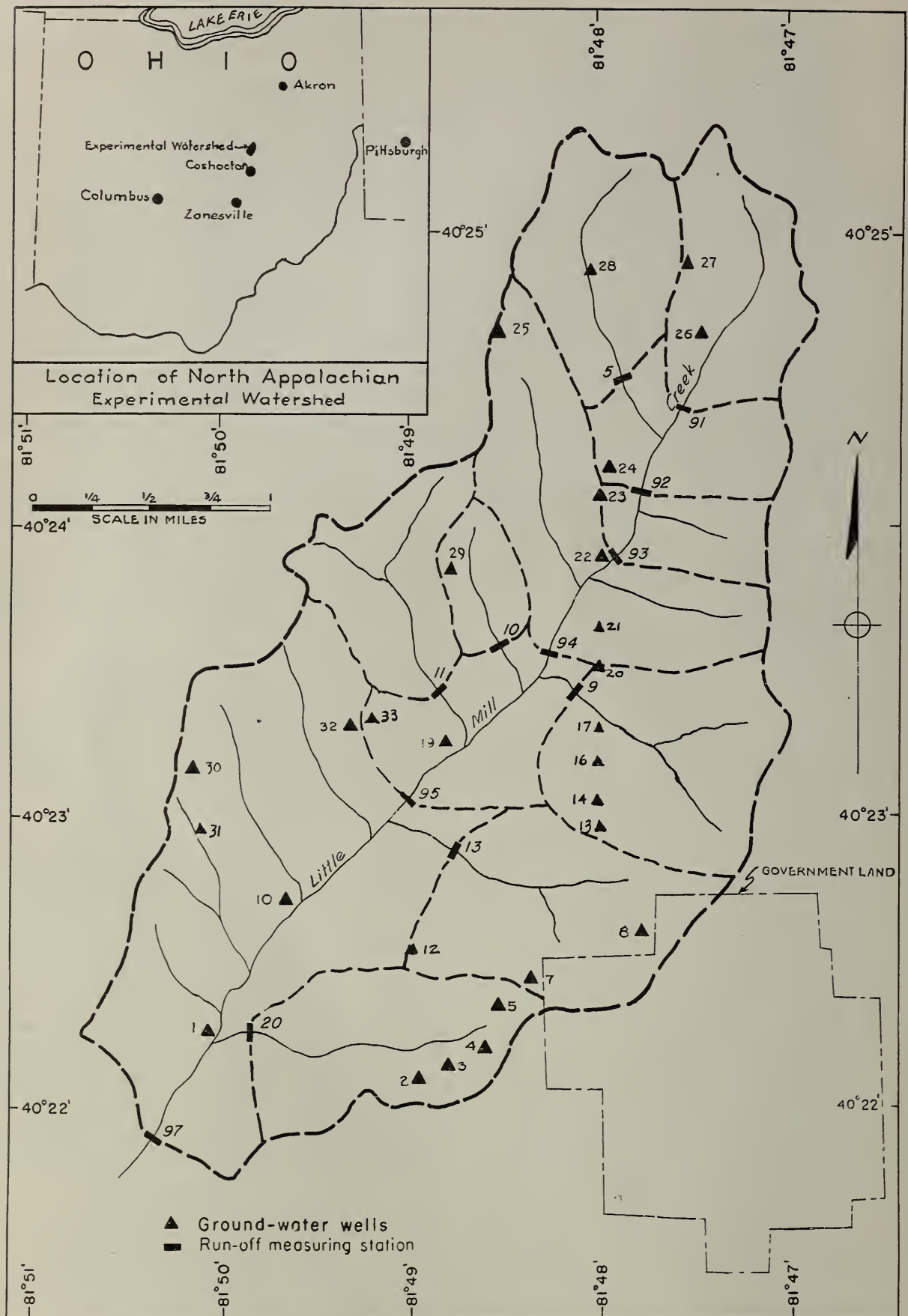


FIGURE 3.—Location of watersheds and ground-water wells in Little Mill Creek drainage basin.



# EXPLANATION OF SYMBOLS

M<sub>1</sub>A

M<sub>1</sub>—Meadow, 10–30 percent clover, 70–90 percent hay grass, and not over 10 percent foreign material.

A=75–100 percent of the soil surface covered by plant canopies.

Fields that are strip cropped show a compound symbol, such as M<sub>1</sub>A-CD, indicating the kind, quality, and density of the crops in the different strips.

## VEGETATION

Meadow:

A—Alfalfa: 80 percent or more alfalfa and the remainder not less than 10 percent each of clover, hay, grass, and foreign material (weeds, wild grass or little or no hay value).

M<sub>1</sub>—Alfalfa mixture: 30–80 percent alfalfa, 10–70 percent clover or hay grass, and not over 10 percent foreign material.

M<sub>2</sub>—Clover: 80–100 percent clover or which up to 30 percent may be alfalfa, less than 20 percent hay grass, and less than 10 percent foreign material.

M<sub>3</sub>—Clover-grass mixture: 30–80 percent clover, 20–70 percent hay grass, and less than 10 percent foreign material.

M<sub>4</sub>—Grass-clover mixture: 10–30 percent clover, 70–90 percent hay grass, and less than 10 percent foreign material.

G—Old meadows that have run out or grass on alluvial areas, cut for tame hay.

Gr—Good grass: Over 90 percent native grass, mostly Canada bluegrass and Kentucky bluegrass, and less than 10 percent weeds and poverty grass.

G<sub>1</sub>—Medium grass: 70–90 percent native grass and less than 20 percent weeds and poverty grass.

G<sub>2</sub>—Poor grass: 50–70 percent native grass, 20–40 percent weeds and poverty grass, and less than 10 percent clover.

G<sub>3</sub>—Very poor grass: Less than 50 percent native grass and over 40 percent weeds and poverty grass.

Field crops:

C—Corn.

SC—Soybeans.

O—Oats.

OR—Orchard.

P—Potatoes.

Pasture:

P<sub>1</sub>—Cover, 70–100 percent tame grass and clover such as Kentucky bluegrass, Canada bluegrass, timothy, redtop, alsike clover, and white Dutch clover.

P<sub>2</sub>—Cover, 30–70 percent tame grass and clover such as Kentucky bluegrass, Canada bluegrass, timothy, redtop, alsike clover, and white Dutch clover.

P<sub>3</sub>—Cover, 10–30 percent tame grass and clover such as Kentucky bluegrass, Canada bluegrass, timothy, redtop, alsike clover, and white Dutch clover.

P<sub>4</sub>—Cover, 90 percent or more wild grass and weeds such as poverty grass, ticklegrass, broomsedge, and cinquefoil.

P<sub>5</sub>—Cover, braced plantain, poverty grass, etc., bare ground abundant.

Idle land: X.

Woodland:

F<sub>1</sub>—Woodland: Tree crowns 80–100 percent of area, ground cover 70–100 percent litter, no sod, and less than 30 percent weeds and briars.

F<sub>2</sub>—Woodland: Tree crowns 50–80 percent of area, ground cover 20–70 percent litter, less than 30 percent sod, and 10–40 percent weeds and briars.

Woodland—Continued.

F<sub>3</sub>—Woodland: Tree crowns 30–50 percent of area, ground cover less than 20 percent litter, less than 50 percent sod, and 20–70 percent weeds and briars.

FP<sub>1</sub>—Pastured woodland: Tree crowns 80–100 percent of area, ground cover 50–100 percent litter, less than 30 percent sod, and less than 20 percent weeds and briars.

FP<sub>2</sub>—Pastured woodland: Tree crowns 50–80 percent of area, ground cover 10–60 percent litter, 10–80 percent sod, and less than 30 percent weeds and briars.

FP<sub>3</sub>—Pastured woodland: Tree crowns 30–50 percent of area, ground cover less than 10 percent litter, 30–100 percent sod, and less than 20 percent weeds and briars.

RF—Reforested woodland: Tree crowns 2–30 percent of area, ground cover 50–80 percent litter, 50–90 percent sod, and less than 20 percent weeds and briars.

## INDEX OF CANOPY DENSITY

A=75–100 percent of the soil surface covered by plant canopies.

B=50–75 percent of the soil surface covered by plant canopies.

C=25–50 percent of the soil surface covered by plant canopies.

D=Less than 25 percent of the soil surface covered by plant canopies.

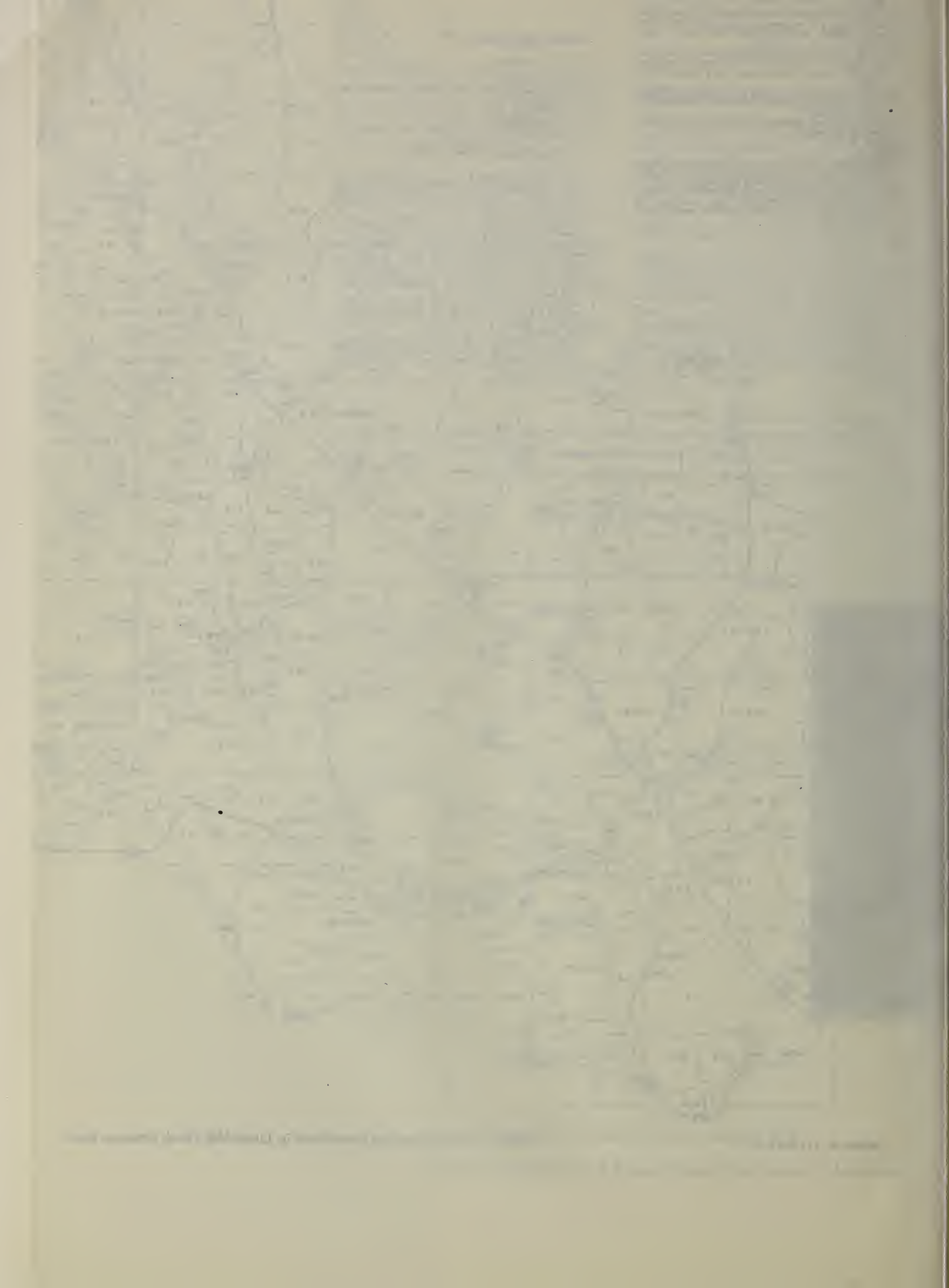


0 400 800 1200 1600 2000  
Feet



FIGURE 4.—Land use and watersheds in Little Mill Creek drainage basin.







## EROSION

The soil contained in the run-off water that leaves 15 of the single-crop watersheds is measured by silt boxes and Ramser automatic silt samplers.

## SOIL MOISTURE

The soil moisture (percent of dry-soil weight) is measured at single-crop watersheds 102, 104, 109, 123, and 131 by weekly sampling with soil augers or King sampling tubes, depending on the moisture content. Sampling in each watershed is done at sites selected to adequately represent the watershed area. Depth of sampling was changed during the year and may be determined by reference to table 6. The volume weights of the soil are also determined, from which the soil moisture (percent of dry weight) can be converted to equivalent inches of water.

## COVER AND CULTIVATION

A survey of land cover and conditions over the whole project is made semimonthly. Additional inspections are made on all small watersheds after each run-off period. This affords a record of the stage of development of each crop, cultural operations, and the general moisture condition of each type of soil. The dates of important changes in cover and in culture operations that might have bearing on the hydrologic conditions are noted along with the tables of rainfall and run-off summaries.

The maps presented in figures 4 and 5 show the distribution of cover by watersheds on Little Mill Creek drainage basin and on the government land.

## OTHER METEOROLOGICAL RECORDS

Records of temperature, humidity, evaporation, air pressure, wind movement, and sunshine duration are being obtained at the central meteorological station. General views of this station were presented in Hydrologic Bulletin No. 1. Records of relative humidity and dew point are obtained from wet- and dry-bulb

thermometers. Evaporation is measured from the United States Weather Bureau class A pan, the Colorado pan, and the Bureau of Plant Industry pan. Records of barometric pressure are obtained from a recording barograph and a mercurial barometer.

## LYSIMETERS

Lysimeters provide hydrologic data that are useful as a check of observed data and in the analysis and interpretation of the watershed data. During 1940 three lysimeter batteries were in operation. Two of these batteries consist of three blocks, and the third of four blocks, of undisturbed soil, parallel to each other and about 6 feet apart, and surrounded with concrete walls to prevent transverse movement of water. The blocks have an area of 0.002 acres (6.22 by 14 feet) and a depth of 8 feet, which is well into underlying rock. The upper surface of each soil block is maintained at its natural slope and the lower surface is cut parallel to the upper surface. Equipment is provided for continuously recording the rate and amount of precipitation, surface run-off, and downward percolation that passes through the lower surface of each soil block. One block in each battery is set on scales that record by 10-minute increments the soil-moisture accretions and subtractions to the nearest 0.01 inch.

The three batteries have different cover, slope, and soil. Battery Y101 is in grass, the same as watershed 102, and has a slope of 23.2 percent, and its soil is Muskingum silt loam, derived from sandstone. Battery Y102 is cultivated the same as watershed 109, has a slope of 12.9 percent, and its soil is Muskingum silt loam which is derived from shale. Battery Y103 is cultivated the same as watershed 123, has a slope of 6 percent, and its soil is Keene silt loam which is derived from clay shale.

Precipitation, surface run-off, percolation, and weight changes are tabulated for each hour. Records of the precipitation, run-off, percolation, and loss or gain in weight are presented in this bulletin. The weight gains or losses are taken as difference in weight at beginning and end of month. All other data are summations on the hourly values.

## GRAPHIC DATA

The areal distribution of rainfall for four of the greatest storms is shown by isohyetal lines in figures 6-9.

The fluctuation of the water level in wells 10, 27, and 109 is shown in figures 10, 11, and 12. Each of these is a dug well and is lined with field stone that is

laid freely from the bottom to a point 6 feet from the surface and laid in mortar from there to the surface. Each well is fitted with a concrete top and equipped with an automatic water-level recorder. The well diameter (inside) is approximately 2 feet.







## EXPLANATION OF SYMBOLS

### M<sub>3</sub>A

M<sub>3</sub>=Meadow, 10–30 percent clover, 70–90 percent hay grass, and not over 10 percent foreign material.

A=75–100 percent of the soil surface covered by plant canopies.

Fields that are strip cropped show a compound symbol, such as M<sub>3</sub>A–CD, indicating the kind, quality, and density of the crops in the different strips.

### VEGETATION

#### Meadow:

A<sub>1</sub>–Alfalfa: 80 percent or more alfalfa and the remainder not less than 10 percent each of clover, hay, grass, and foreign material (weeds, wild grass of little or no hay value).

A<sub>2</sub>–Alfalfa mixture: 30–80 percent alfalfa, 10–70 percent clover or hay grass, and not over 10 percent foreign material.

M<sub>1</sub>–Clover: 80–100 percent clover of which up to 30 percent may be alfalfa, less than 20 percent hay grass, and less than 10 percent foreign material.

M<sub>2</sub>–Clover-grass mixture: 30–80 percent clover, 20–70 percent hay grass, and less than 10 percent foreign material.

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G<sub>3</sub>–Poor grass: 50–70 percent native grass, 20–40 percent weeds and poverty grass, and less than 10 percent clover.

#### Meadow—Continued.

G<sub>4</sub>–Very poor grass: Less than 50 percent native grass and over 40 percent weeds and poverty grass.

#### Field crops:

C–Corn                      SB–Soybeans  
O–Oats                      SC–Sweet clover  
OR–Orchard                W–Wheat  
Po–Potatoes                Z–Miscellaneous

#### Pasture:

P<sub>1</sub>–Cover, 70–100 percent tame grass and clover such as Kentucky bluegrass, Canada bluegrass, timothy, redtop, alsike clover, and white Dutch clover.

P<sub>2</sub>–Cover, 30–70 percent tame grass and clover such as Kentucky bluegrass, Canada bluegrass, timothy, redtop, alsike clover, and white Dutch clover.

P<sub>3</sub>–Cover, 10–30 percent tame grass and clover such as Kentucky bluegrass, Canada bluegrass, timothy, redtop, alsike clover, and white Dutch clover.

P<sub>4</sub>–Cover, 90 percent or more wild grass and weeds such as poverty grass, ticklegrass, broomsedge, and cinquefoil.

P<sub>5</sub>–Cover, bracted plantain, poverty grass, etc., bare ground abundant.

#### Idle land: X

#### Woodland:

F<sub>1</sub>–Woodland: Tree crowns 80–100 percent of area, ground cover 70–100 percent litter, no sod, and less than 30 percent weeds and briers.

F<sub>2</sub>–Woodland: Tree crowns 50–80 percent of area, ground cover 20–70 percent litter, less than 30 percent sod, and 10–40 percent weeds and briers.

#### Woodland—Continued.

F<sub>3</sub>–Woodland: Tree crowns 30–50 percent of area, ground cover less than 20 percent litter, less than 50 percent sod, and 20–70 percent weeds and briers.

FP<sub>1</sub>–Pastured woodland: Tree crowns 80–100 percent of area, ground cover 50–100 percent litter, less than 30 percent sod, and less than 20 percent weeds and briers.

FP<sub>2</sub>–Pastured woodland: Tree crowns 50–80 percent of area, ground cover 10–60 percent litter, 10–80 percent sod, and less than 30 percent weeds and briers.

FP<sub>3</sub>–Pastured woodland: Tree crowns 30–50 percent of area, ground cover less than 10 percent litter, 30–100 percent sod, and less than 20 percent weeds and briers.

RF–Reforested woodland: Tree crowns 2–30 percent of area, ground cover 50–80 percent litter, 50–90 percent sod, and less than 20 percent weeds and briers.

### INDEX OF CANOPY DENSITY

A–75–100 percent of the soil surface covered by plant canopies.

B–50–75 percent of the soil surface covered by plant canopies.

C–25–50 percent of the soil surface covered by plant canopies.

D–Less than 25 percent of the soil surface covered by plant canopies.



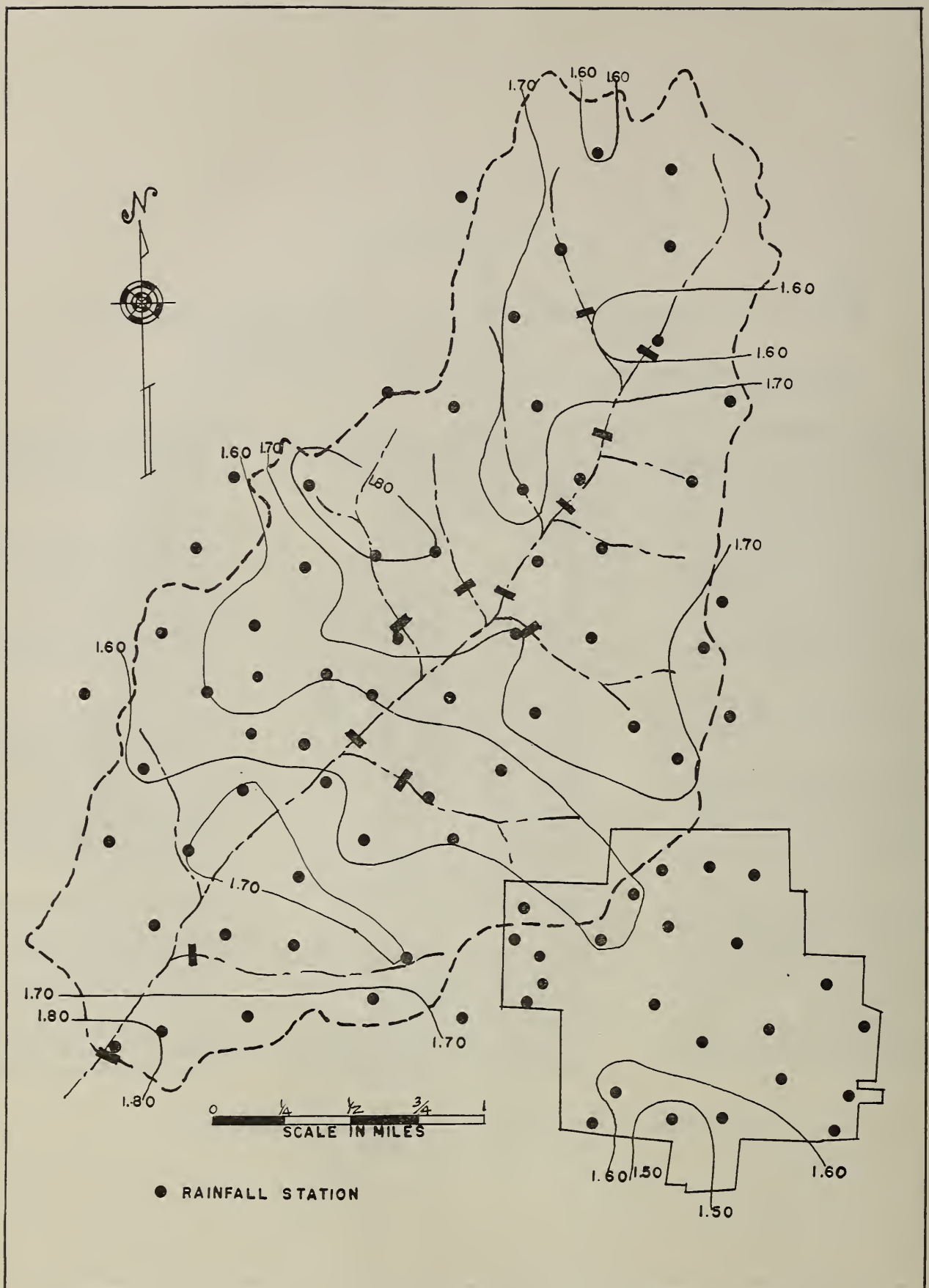


FIGURE 6.—Isohyetal map of storm of March 3-4, 1940. Rainfall is shown in inches.



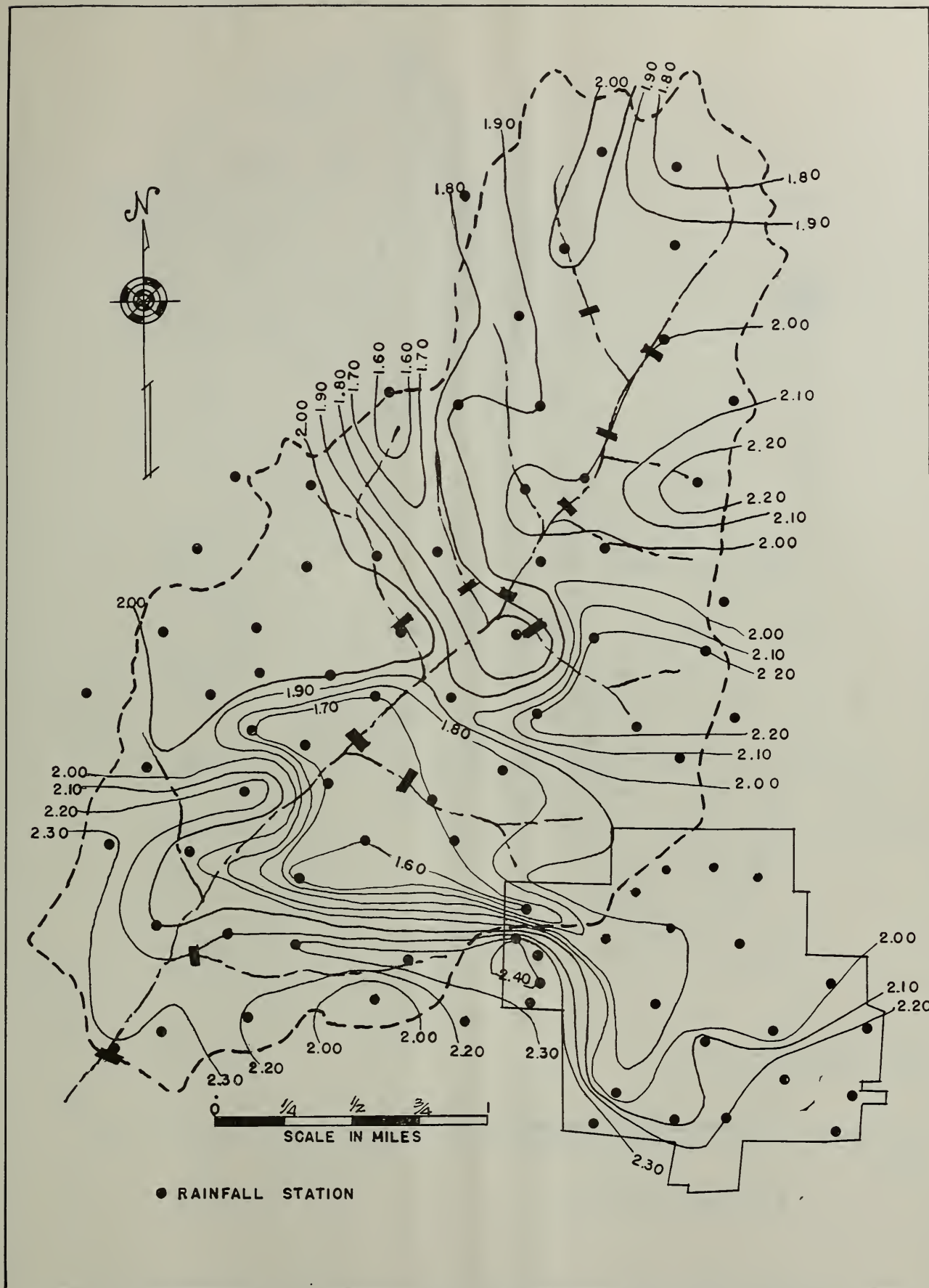


FIGURE 7.—Isohyetal map of storm of April 19-20, 1940. Rainfall is shown in inches.



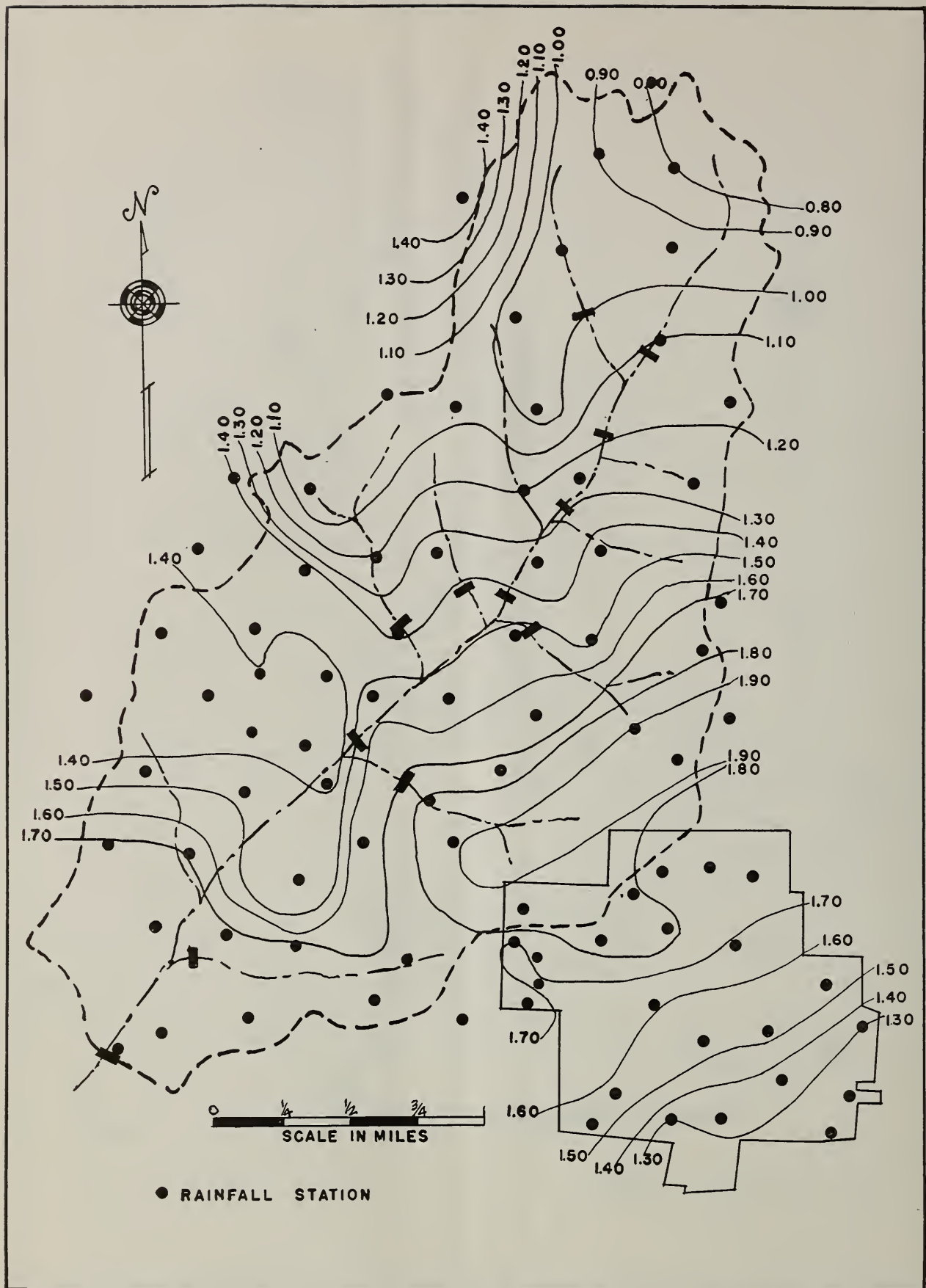


FIGURE 8.—Isohyetal map of storm of June 28, 1940. Rainfall is shown in inches.



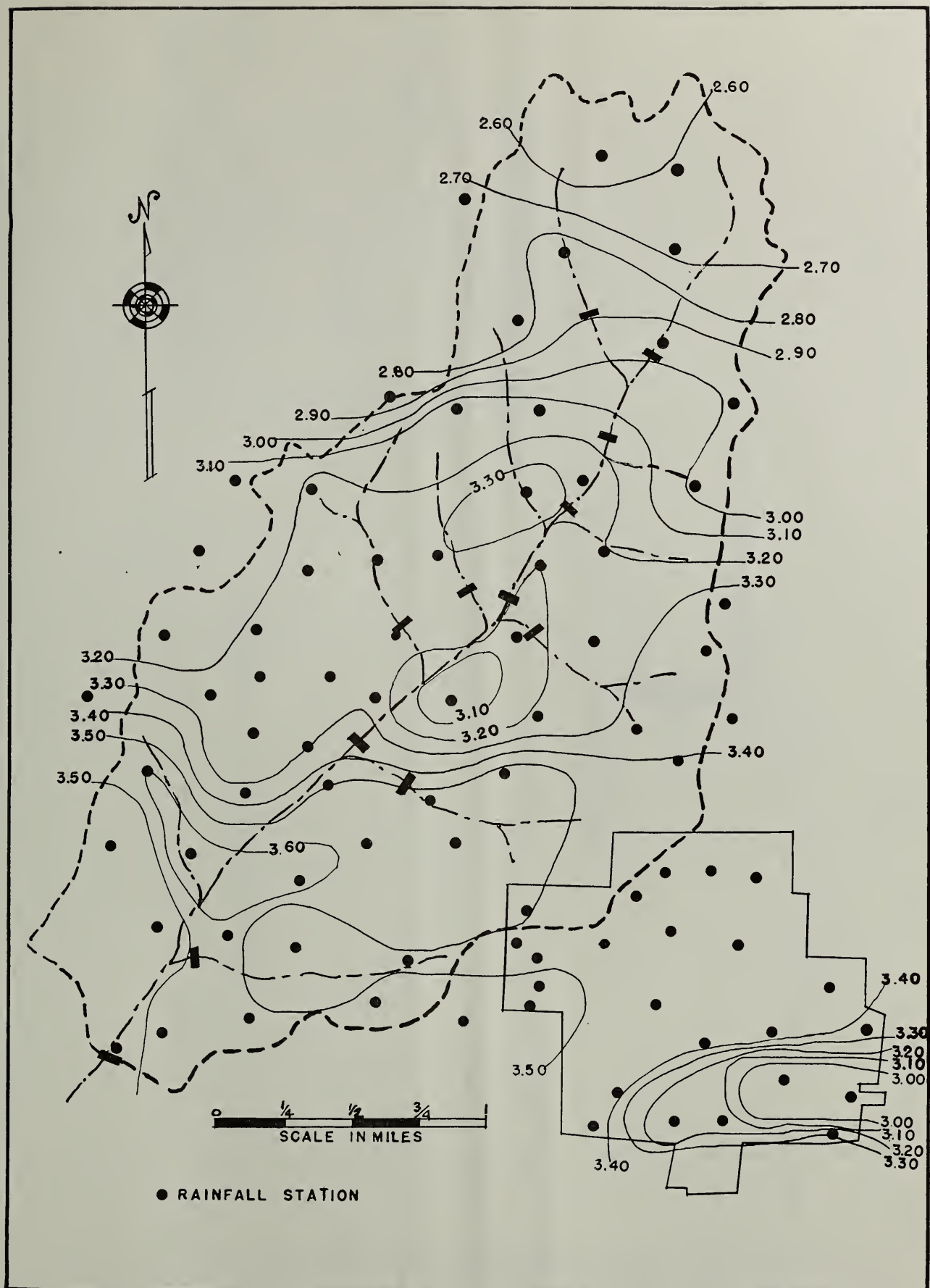


FIGURE 9.—Isohyetal map of storm of August 25-27, 1940. Rainfall is shown in inches.



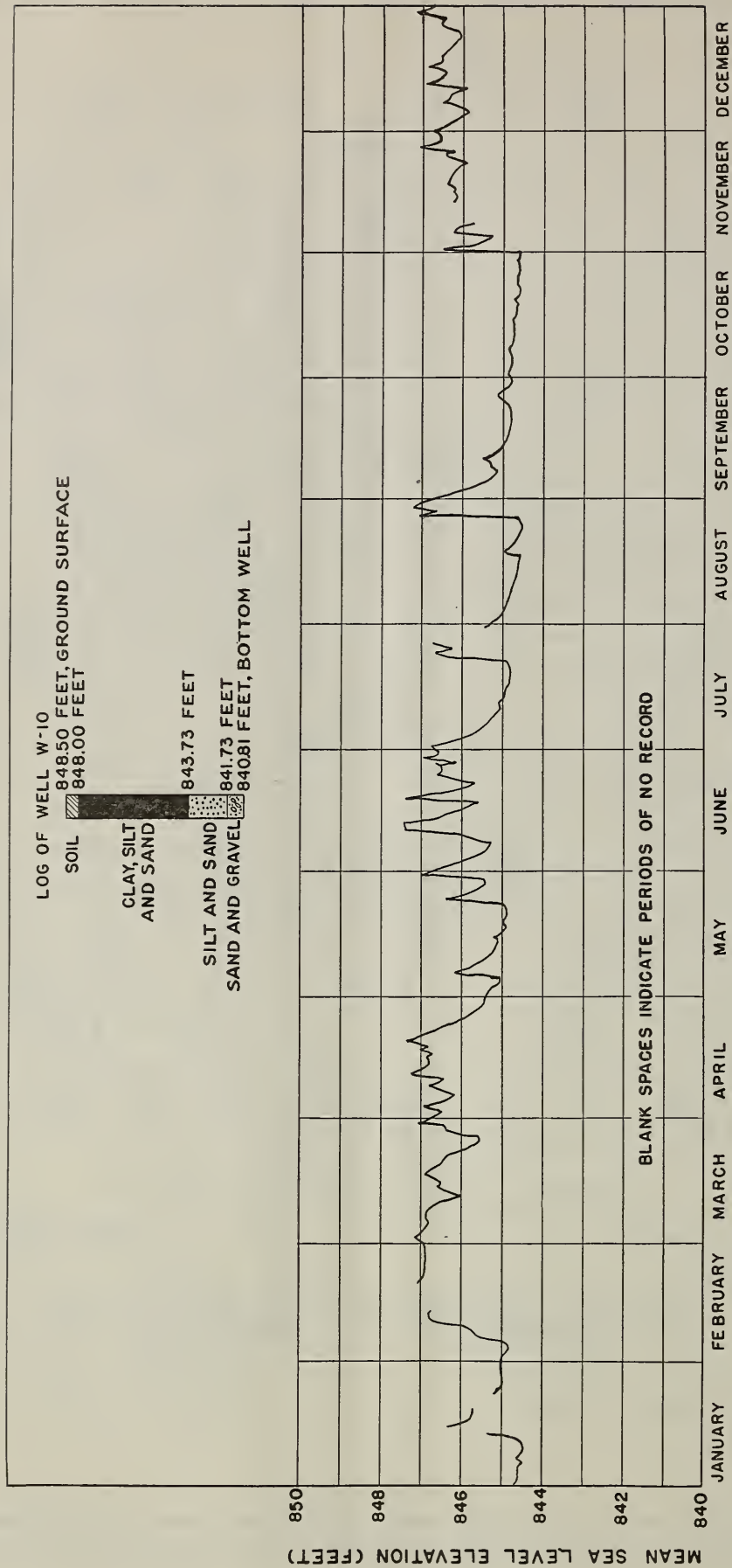


FIGURE 10.—Water level in well 10, 1940.



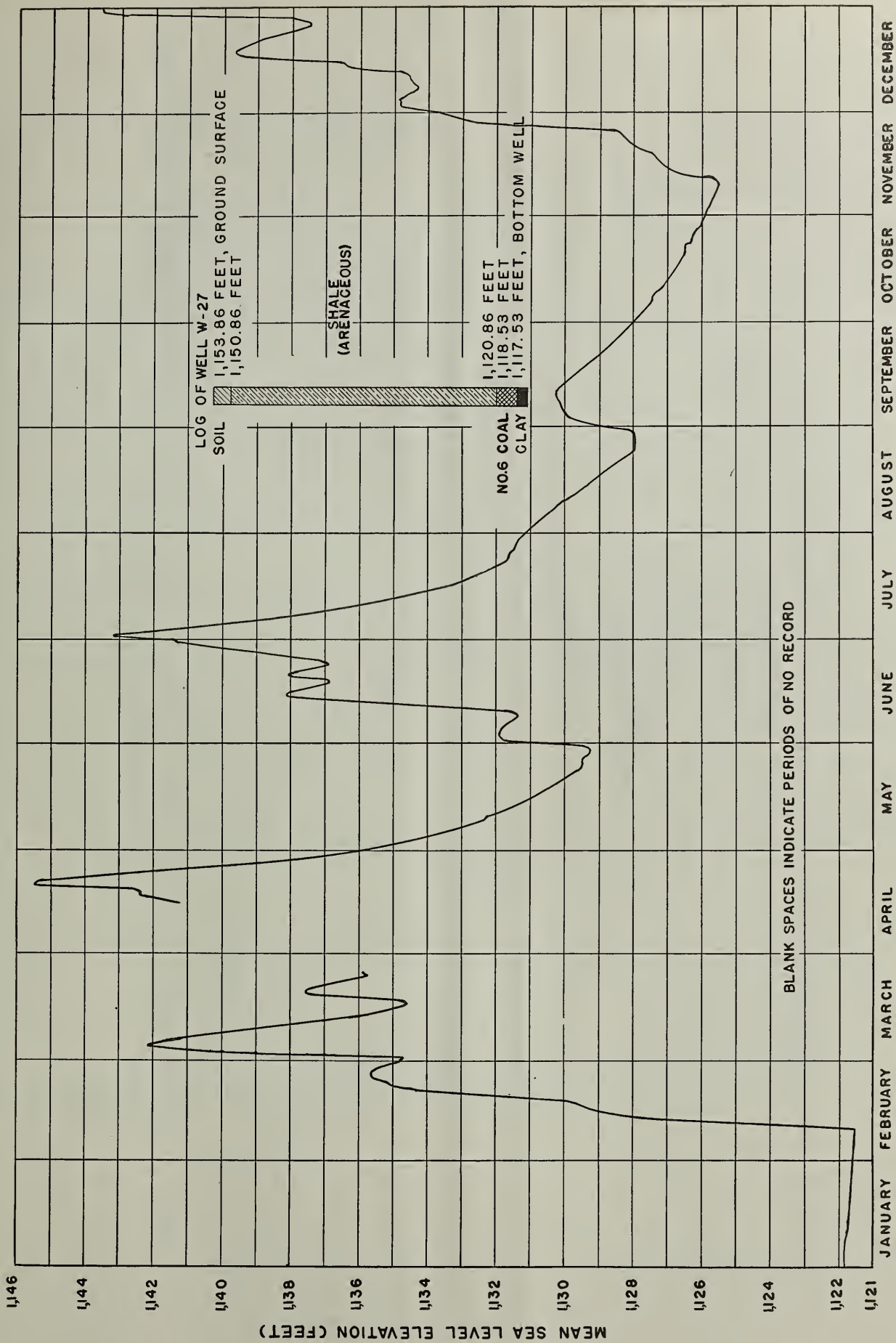


FIGURE 11.—Water level in well 27, 1940.



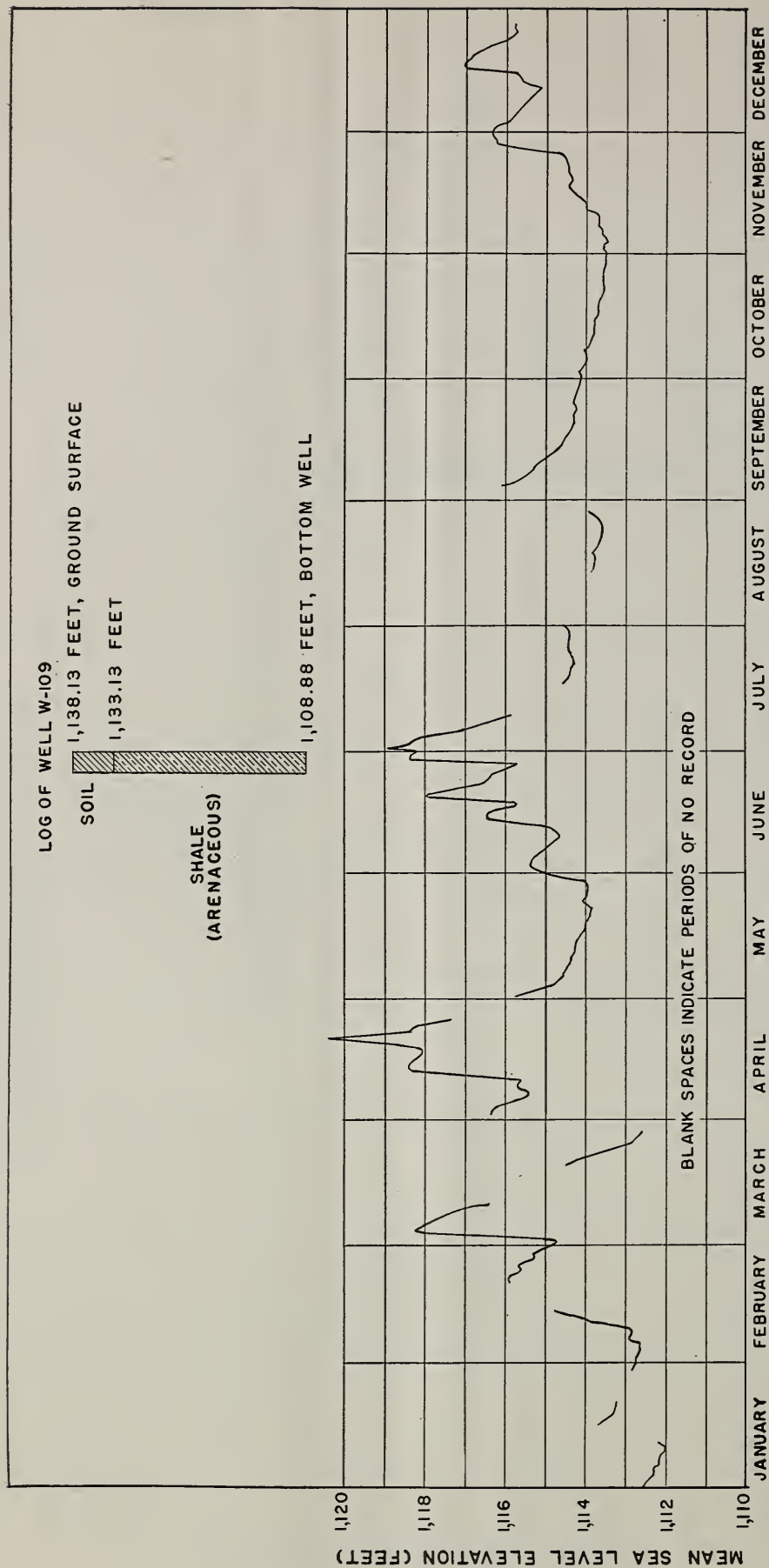


FIGURE 12.—Water level in well 109, 1940.



# TABULAR DATA

## EXPLANATION OF TABLES

To obviate repeating footnotes numerous times, any needed explanatory material for series of similar tables is given here. Such material for single table appears in footnotes.

### TABLES 24 TO 53. RUN-OFF FOR SELECTED STORMS

In the note at the head of each table the location, physical characteristics, land use, rainfall and run-off measurements, and a summary of the available records are given. The gages from which the amount of rainfall is computed are listed under "precipitation." The amount recorded for watersheds of 10 acres or smaller is that measured at one centrally located gage; that for watersheds from 10 to 500 acres is the Thiessen average of the amounts observed at all the gages listed; and that for watersheds larger than 500 acres is the arithmetic average. The duration of rainfall and the maximum rates are determined from a selected recording gage.

These tables present for each watershed the run-off rates and amounts for all storms in sufficient detail

to reproduce accurately the hydrograph and mass curve.

## TABLES

TABLE 1.—Monthly and annual meteorological data of the central meteorological station, 1940

Month	Temperature			Precipitation <sup>1</sup>	Average relative humidity <sup>2</sup>	Average wind velocity 34 feet above ground
	Maximum	Minimum	Mean			
	°F.	°F.	°F.	Inches	Percent	Miles per hour
January.....	49	-15	15	1.18	79	11.5
February.....	56	5	27	2.73	83	10.8
March.....	72	6	33	3.56	83	7.6
April.....	77	18	44	4.54	69	8.5
May.....	85	31	58	4.68	71	8.3
June.....	86	44	68	6.65	73	4.7
July.....	94	43	71	4.40	79	5.2
August.....	91	46	70	7.47	72	5.1
September.....	88	36	61	1.92	68	4.4
October.....	80	28	52	1.12	73	4.7
November.....	70	15	38	4.23	73	8.5
December.....	61	3	35	3.27	72	7.6
Year.....	94	-15	48	45.65	75	7.2
Mean at Coshocton, Ohio, 1880-1940.....			52.2	40.84		

<sup>1</sup> Measured with an unshielded recording rain gage.

<sup>2</sup> Average of the twice daily (8 a. m. and 5 p. m.) psychrometer observations.

TABLE 2.—Monthly and annual evaporation, wind movement, and relative humidity at the central meteorological station, 1940

Month	Average wind velocity from 5 p. m. to 8 a. m. 20 inches above ground	Night evaporation (5 p. m. to 8 a. m.)						Average wind velocity from 8 a. m. to 5 p. m. 20 inches above ground	Day evaporation (8 a m. to 5 p. m.)						5 p. m. to 5 p. m.				
		Weather Bureau class A pan <sup>1</sup>		Colorado type pan <sup>2</sup>		Bureau of Plant Industry pan <sup>3</sup>			Weather Bureau class A pan <sup>1</sup>		Colorado type pan <sup>2</sup>		Bureau of Plant Industry pan <sup>3</sup>		Evaporation for the month			Average wind velocity 20 inches above ground	Average relative-humidity
		Water temperature at 8 a. m.	Evaporation	Water temperature at 8 a. m.	Evaporation	Water temperature at 8 a. m.	Evaporation		Water temperature at 5 p. m.	Evaporation	Water temperature at 5 p. m.	Evaporation	Water temperature at 5 p. m.	Evaporation	Weather Bureau Class A pan <sup>1</sup>	Colorado type pan <sup>2</sup>	Bureau of plant Industry pan <sup>3</sup>		
	<i>Miles per hour</i>	<i>°F.</i>	<i>Inches</i>	<i>°F.</i>	<i>Inches</i>	<i>°F.</i>	<i>Inches</i>	<i>Miles per hour</i>	<i>°F.</i>	<i>Inches</i>	<i>°F.</i>	<i>Inches</i>	<i>°F.</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Miles per hour</i>	<i>Percent</i>
April.....	3.4	42	1.78	44	1.47	45	1.49	5.0	54	1.62	51	1.68	51	1.07	3.40	3.15	2.56	4.0	69
May.....	3.1	53	3.78	55	2.80	56	3.17	4.7	67	2.66	64	2.80	64	1.74	6.44	5.60	4.91	3.4	71
June.....	2.3	67	2.49	68	2.39	70	2.20	3.1	79	2.45	76	2.00	76	1.66	4.94	4.39	3.86	2.7	73
July.....	1.5	69	4.36	72	3.74	73	4.32	2.1	86	3.42	81	2.13	82	1.84	7.78	5.87	6.16	1.8	79
August.....	1.4	66	3.71	70	3.74	71	3.76	3.6	82	1.47	78	1.15	78	1.00	5.18	4.89	4.76	2.5	72
September.....	1.2	57	2.81	62	2.63	63	2.01	1.9	73	1.73	71	1.66	70	1.59	4.54	4.29	3.60	1.4	68
October.....	1.4	47	1.74	52	1.86	52	1.43	2.5	61	1.21	59	1.15	59	0.85	2.95	3.01	2.28	1.6	73
April-October.....			20.67		18.63		18.38			14.56		12.57		9.75	35.23	31.20	28.13		

<sup>1</sup> U. S. Weather Bureau type pan, diameter 4 feet and depth 10 inches, water level 2 inches below top of pan about 15 inches above ground surface.

<sup>2</sup> Colorado type pan, 3 feet deep and 3 feet square; water level at ground surface 4 inches below top of pan.

<sup>3</sup> Bureau of Plant Industry type pan, diameter 6 feet and depth 2 feet; water level at ground surface 4 inches below top of pan.



TABLE 3.—Daily maximum, minimum, and average temperatures <sup>1</sup> at the central meteorological station, 1940

Day	January			February			March			April			May			June		
	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average
	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.
1	18	5	12	33	21	27	41	30	35	54	28	41	61	41	51	65	52	58
2	17	4	10	31	7	19	41	26	34	54	33	44	62	31	36	77	54	66
3	16	5	10	34	5	20	50	38	44	75	40	58	52	31	42	82	54	68
4	23	3	13	34	21	28	34	28	31	62	37	50	52	37	44	80	58	69
5	10	3	6	34	31	32	34	27	30	46	31	38	68	37	52	82	57	70
6	25	0	12	44	33	38	35	24	30	56	25	40	80	56	68	83	62	72
7	23	3	13	33	27	30	35	23	29	52	35	44	79	50	64	81	63	72
8	25	15	20	40	25	32	30	21	26	56	43	50	79	49	64	76	60	68
9	27	9	18	40	25	32	32	22	27	45	34	40	62	41	52	84	60	72
10	30	14	22	41	30	36	32	17	24	55	29	42	63	40	52	82	61	72
11	36	26	31	40	20	30	32	13	22	54	24	39	57	44	50	82	68	75
12	36	30	33	56	32	44	40	10	25	28	19	24	71	42	56	86	61	74
13	46	29	38	33	23	28	50	25	38	33	18	26	83	60	72	80	63	72
14	49	28	38	24	11	18	44	25	34	44	18	31	83	64	74	83	64	74
15	30	22	26	33	7	20	28	17	22	52	34	43	69	46	58	81	65	73
16	18	13	16	35	8	22	36	20	28	58	45	52	52	42	47	80	56	68
17	12	7	10	41	10	26	61	26	44	63	42	52	52	42	47	80	62	71
18	10	—7	2	37	27	32	62	40	51	62	36	49	58	48	58	86	55	70
19	0	—15	—8	36	26	31	50	25	38	41	36	38	82	55	68	80	58	69
20	14	0	7	34	26	30	45	33	39	47	32	40	76	54	65	65	49	57
21	15	8	12	32	14	23	44	18	31	47	32	40	85	59	72	69	46	58
22	21	7	14	32	14	23	23	9	16	55	30	42	85	66	76	67	52	60
23	25	8	16	34	17	26	21	6	14	54	30	42	68	58	63	84	57	70
24	24	8	16	34	22	28	22	6	14	56	36	46	66	53	60	83	64	74
25	11	0	6	23	12	18	25	11	18	54	38	46	63	52	58	75	57	66
26	10	—4	3	29	8	18	38	11	24	55	33	44	70	53	62	72	48	60
27	18	3	10	34	19	26	40	25	32	57	36	46	68	45	56	78	58	68
28	18	0	9	35	25	30	60	35	48	66	37	52	67	44	56	82	61	72
29	28	2	15	36	25	30	72	47	60	77	50	64	73	50	62	65	51	58
30	34	20	27	—	—	—	64	41	52	72	56	64	59	50	54	76	44	60
31	31	6	18	—	—	—	64	36	50	—	—	—	68	44	56	—	—	—
Monthly average	23	8	15	35	20	27	42	24	33	54	34	44	68	48	58	78	57	68

Day	July			August			September			October			November			December		
	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average	Maximum	Minimum	Average
	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.	° F.
1	76	50	63	78	56	67	74	55	64	61	46	54	55	42	48	43	20	32
2	78	47	62	83	57	70	74	54	64	66	45	56	61	41	51	28	16	22
3	71	43	57	81	61	71	76	56	66	70	46	58	59	36	48	16	6	11
4	74	49	62	82	60	71	75	56	66	72	45	58	70	43	56	32	3	18
5	78	48	63	87	67	77	77	57	67	74	48	61	60	39	50	32	19	26
6	80	57	68	81	66	74	77	53	65	80	52	66	40	32	36	43	16	30
7	78	56	67	80	66	73	80	53	66	69	59	64	40	26	33	45	32	38
8	78	58	68	84	58	71	76	62	69	61	46	54	38	22	30	36	25	30
9	82	60	71	86	60	73	74	58	66	60	38	49	48	21	34	49	24	36
10	86	62	74	81	62	72	64	48	56	66	43	54	55	36	46	48	33	40
11	86	66	76	81	62	72	58	42	50	66	40	53	66	32	49	40	32	36
12	64	53	58	89	64	76	62	44	53	71	44	58	45	26	36	53	30	42
13	71	48	60	87	65	76	67	47	57	75	50	62	42	22	32	42	27	34
14	76	51	64	87	67	77	72	45	58	80	49	64	43	23	33	35	22	28
15	80	57	68	85	63	74	64	46	55	60	40	50	31	25	28	49	27	38
16	79	60	70	78	63	70	70	49	60	52	32	42	30	15	22	57	30	44
17	78	57	68	87	64	76	74	47	60	60	28	44	38	26	32	37	26	32
18	85	59	72	91	66	78	77	46	62	50	32	41	46	26	36	35	28	32
19	87	65	76	72	61	66	82	51	66	39	30	34	57	27	42	42	22	32
20	90	66	78	68	54	61	87	59	73	47	28	38	58	44	51	49	39	44
21	89	68	78	72	50	61	88	60	74	50	31	40	63	42	52	40	32	36
22	90	69	80	76	48	62	76	64	70	59	30	44	61	35	48	39	28	34
23	87	68	78	72	56	64	76	54	65	76	43	60	45	33	39	38	27	32
24	90	68	79	68	46	57	72	52	62	69	45	57	39	32	36	56	29	42
25	90	64	77	63	50	56	58	40	49	64	43	54	38	27	32	61	36	48
26	91	70	80	76	60	68	59	36	48	59	42	50	30	22	26	54	37	46
27	94	68	81	78	60	69	64	40	52	68	42	55	31	24	28	59	46	52
28	93	68	80	84	64	74	70	40	55	65	41	53	30	18	24	52	40	46
29	91	70	80	83	64	74	70	45	58	60	43	52	36	18	27	42	32	37
30	91	69	80	74	60	67	66	47	56	59	44	52	50	21	36	33	28	30
31	82	70	76	80	59	70	—	—	—	60	38	49	—	—	—	33	28	30
Monthly average	83	60	71	80	60	70	72	50	61	63	41	52	47	29	38	42	27	35

<sup>1</sup> The maximum and minimum temperatures are obtained from the maximum and minimum thermometers. The average is the arithmetic mean of the daily maximum and minimum temperatures.



TABLE 4.—Daily (midnight to midnight) precipitation at selected stations,<sup>1</sup> 1940

Date	Gage No.—												Met. R
	1R	7R	8R	14R	27R	44R	47R	54R	56R	103R	119R		
January:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
5 <sup>2</sup>	0.03	0.05	0.03	0.05	0.05	0.05	0.05	0.05	0.07	0.05	0.07	0.05	
7 <sup>2</sup>	.05	.04	.04	.07	.09	.06	.05	.07	.08	.03	.06	.04	
11 <sup>2</sup>	.07	.15	.13	.14	.14	.13	.13	.16	.10	.14	.09		
14	.77	.90	.85	.85	.87	.81	.84	.85	.56	.60	.85	.83	
16	.16	.14	.16	.18	.15	.17	.14	.20	.16	.17	.19	.10	
17 <sup>2</sup>													
23 <sup>2</sup>	.11	.11	.13	.12	.13	.13	.07	.13	.10	.10	.10	.07	
Total	1.19	1.39	1.34	1.41	1.43	1.36	1.28	1.43	1.13	1.05	1.41	1.18	
February:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
2 <sup>2</sup>	.06	.04	.03	.03	.03	.05	.01	.02	.04	0	0	.02	
5	.05	.05	.05	.04	.06	.04	.04	.05	.04	.07	.07	.04	
6	.56	.61	.52	.55	.55	.41	.53	.56	.48	.46	.51	.53	
9	.11	.18	.18	.11	.18	.12	.12	.13	.16	.16	.25	.22	
10	.67	.66	.68	.73	.77	.69	.69	.70	.69	.84	.63	.64	
11 <sup>2</sup>	.13	.10	.08	.13	.11	.12	.09	.12	.07	.18	.12	.10	
14 <sup>2</sup>	.31	.20	.20	.32	.25	.25	.13	.31	.19	.25	.25	.12	
18	.68	.80	.54	.73	.84	.36	.86	.82	1.05	.25	.94	.51	
19	.20	.16	.22	.20	.28	.16	.14	.23	.20	.07	.25	.12	
20 <sup>2</sup>													
24 <sup>2</sup>	.03	.10	.05	.06	.04	.05	.02	.02	.05	.04	.10	.04	
27 <sup>2</sup>	.22	.44	.41	.53	.45	.55	.48	.30	.67	.33	.39	.39	
Total	3.02	3.34	2.96	3.43	3.53	2.80	3.11	3.26	3.54	2.65	3.51	2.73	
March:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
2	.73	.73	.71	.75	.79	.71	.80	.82	.85	.70	.84	.74	
3	.79	.77	.84	.93	.96	.72	.90	.76	.95	.76	.75	.96	
4	.03	.04	.04	.03	.03	.06	.03	.03	.03	.08	.05	.08	
12	.03	.04	.01	.04	T	.06	.10	.06	.04	.03	.08	.08	
13	.23	.20	.24	.20	.18	.18	.16	.28	.16	.34	.16	.18	
14 <sup>2</sup>	.17	.26	.18	.15	.21	.24	.21	.22	.26	.34	.25	.15	
16	.49	.42	.40	.48	.35	.34	.33	.28	.25	.29	.22	.28	
21	.02	.02	.02	.03	.01	.02	.01	T	.01	0	0	.02	
24	T	T	T	T	T	T	T	T	T	.02	T	0	
27	.26	.18	.18	.17	.20	.18	.22	.19	.23	.20	.21	.21	
29	.03	.01	(3)	.10	.03	.72	.02	.04	.07	.03	.04	.06	
30	.70	.82	(3)	.76	.80	.68	.77	.76	.65	.85	.76	.76	
31	.03	0	(3)	.01	0	0	0	0	.01	0	.03	.04	
Total	3.51	3.49	---	3.65	3.56	3.23	3.46	3.45	3.62	3.10	3.48	3.56	
April:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
3	.58	.53	.48	.50	.33	.36	.42	.40	.30	.21	.26	.16	
7	.28	.11	.08	.28	.26	.37	.46	.56	.27	.15	.27	.23	
8	.31	.54	.56	.30	.26	.15	.46	.56	.25	.23	.15	.21	
11	1.25	1.29	1.26	1.37	1.40	1.28	1.34	1.38	1.36	1.35	1.35	1.27	
13	.04	.03	.04	.03	0	.04	.02	0	.02	.04	.04	.04	
15	.16	.15	.17	.15	.17	.16	.15	.18	.19	.17	.18	.17	
17	.17	.26	.22	.26	.23	.22	.23	.20	.26	.18	.20	.13	
18	.03	.04	.05	.06	.07	.03	.04	.02	.03	.03	.06	.07	
19	1.48	1.48	1.40	1.48	1.62	1.48	1.69	1.49	1.24	1.84	1.62	1.62	
20	.42	.34	.43	.48	.56	.52	.58	.61	.67	.47	.65	.63	
24	T	.02	T	T	0	.56	T	0	0	0	0	T	
Total	4.72	4.79	4.69	4.91	4.90	4.39	4.72	4.04	4.84	4.07	5.00	4.53	
May:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
1	.10	.10	.11	.10	.10	.11	.05	.08	.07	.12	.09	.13	
2	.07	.06	.07	.06	.07	.09	.06	.07	.08	.08	.03	.06	
3	.03	.03	.02	.03	.01	.02	.02	.03	.02	0	.08	.08	
6	.17	.16	.18	.22	.40	1.08	.84	.78	.66	.76	.55	.70	
8	.01	T	T	T	.01	T	T	.01	T	T	T	T	
13	T	T	.01	T	T	.02	.07	.06	.10	.02	.03	.01	
15	.25	.25	.27	.22	.27	.28	.24	.27	.26	.25	.25	.25	
16	.05	.08	.08	.08	.08	.11	.08	.09	.14	.07	.05	.06	
19	.19	.18	.22	.19	.16	.20	.16	.16	.15	.36	.22	.22	
21	.02	T	T	T	.01	.02	T	.02	.01	.13	.03	.03	
23	.21	.15	.15	.18	.18	.17	.23	.18	.17	.11	.11	.12	
24	1.62	1.61	1.62	1.58	1.61	1.43	1.55	1.58	1.56	1.62	1.47	1.56	
25	.03	.03	.04	.04	.03	.04	.01	0	0	0	0	0	
27	T	0	0	0	0	.04	0	0	.01	0	0	.04	
29	.39	.42	.35	.48	.44	.41	.50	.43	.52	.44	.30	.40	
30	.95	1.00	.89	.94	.96	.76	.79	.81	.75	.78	.87	.88	
31	.02	.02	0	.03	.02	.04	0	.02	.03	0	0	.04	
Total	3.86	4.09	3.99	4.20	4.30	4.81	4.64	4.54	4.56	4.42	4.32	4.58	
June:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
7	.30	.09	.16	.03	.05	.07	.04	.07	.12	.13	.10	.10	
8	.38	.82	.44	.58	.54	.60	.69	.36	.20	.26	.38	.14	
9	.48	.70	.37	.49	.77	.45	.32	.25	.25	.06	.21	.23	
10	1.05	.80	.86	1.45	.85	1.09	1.49	1.29	1.26	1.01	.67	.78	
11	.64	.60	.76	.85	.55	.78	1.08	.66	.67	.42	.43	.35	
12	.31	.34	.19	.12	.26	.12	.17	.11	.24	.23	.73	.59	
13	0	0	.01	0	0	.02	0	0	0	0	0	.04	
14	.05	.06	.06	.05	.06	.06	.05	.04	.05	.06	.11	.08	
15	T	.07	.04	.03	.03	.01	T	.02	.05	T	.02	.04	
18	1.20	1.29	1.30	1.60	1.54	1.59	1.61	1.56	1.53	1.02	1.40	1.53	
22	0	0	0	0	0	.05	.04	0	0	0	0	.07	
23	.87	.93	.90	1.01	.83	.90	.82	.84	.96	.88	.74	.78	
Total	14.57	14.80	14.58	14.82	14.82	14.84	14.96	14.88	14.88	14.74	14.74	14.78	
June—Con.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
24	0.14	0.08	0.10	T	T	0.06	0.06	0.01	T	0.02	0.04	0.04	
25	1.09	.84	.93	.54	.26	.21	.24	.25	.26	.24	.20	.20	
26	.05	.12	.09	0	.01	.11	.16	.14	.06	.14	.17	.15	
28	.91	1.10	.99	1.03	1.55	1.86	1.58	1.72	1.81	1.84	1.18	1.53	
30	.59	.75	.78	.70	.67	.62	.57	.58	.65	.58	.66	.52	
Total	8.06	8.59	7.98	8.48	7.97	8.50	8.82	7.90	8.06	6.88	7.03	7.17	
July:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
1	.30	.13	.13	.15	.13	.14	.14	.14	.14	.14	.11	.15	
9	.01	.01	.01	.01	.01	.01	.01	.01	.01	.01	.02	.05	
11	.97	.60	.60	.58	.44	.40	.29	.34	.46	.42	.71	.51	
15	.10	.12	.11	.12	.11	.16	.17	.17	.20	.16	.14	.17	
22	1.46	1.16	.58	.85	.65	.99	.68	.66	.77	1.21	.85	.93	
23	1.11	1.18	1.30	2.05	1.26	2.04	1.27	1.03	.82	1.05	.92	1.21	
24	.15	.13	.17	.23	.23	.28	.40	.41	.29	.29	.29	.29	
26	.67	.39	.41	.39	.32	.60	.78	.75	.62	.61	.50	.50	
27	.26	.34	.24	.30	.07	.10	.03	.02	.01	.05	T	.07	
Total	5.03	4.06	3.55	4.68	3.22	4.72	3.77	3.55	3.42	3.95	3.54	3.88	
August:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
6	.14	.16	.15	.14	.14	.21	.34	.31	.47	.25	.22	.28	
13	0	T	0	T	.38	.21	.12	.14	0	.24	0	.12	
14	.01	.05	.02	0	.12	.45	.15	.73	.82	.95	.36	.88	
18	1.06	1.02	1.04	1.05	.94	.97	1.00	.93	.93	.70	.64	.68	
23	.07	0	0	0	.09	0	0	0	.09	.08	.08	.08	
25	.18	.21	.16	.17	.15	.28	.28	.31	.29	.29	.83	.28	
26	.12	.11	.13	.14	.15	.29	.32	.35	.39	.03	.35	.32	
27	2.19	2.65	2.55	2.96	2.98	3.21	2.88	2.82	1.82	2.11	2.76	2.76	
29	.59	.57	.59	.82	.62	.71	.99	.73	.99	.70	.73	.73	
30	1.23	1.25	1.33	1.49	1.25	1.30	1.38	1.32	1.48	.92	1.33	1.33	
Total	5.59	6.02	5.97	6.77	6.82	7.40	6.79	7.70	8.19	5.99	6.65	7.47	
September:	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	
8	.27	.23	.22	.21	.22	.35	.42	.43	.36	.36	.45	.38	
9	.06	.04	.04	.06	.05	.05	.04	.05	.09	.03	.05	.06	
10	.27	.30	.27	.29	.34	.32	.29	.27	.28	.36	.32	.32	
24	.95	1.15	1.08	1.19	.95	.72	.71	.67	.65	.6			



TABLE 5.—Excessive <sup>1</sup> rainfall at the central meteorological station, 1940

Date	Maximum depth and intensity for intervals of—																	
	2 minutes		5 minutes		10 minutes		15 minutes		20 minutes		30 minutes		1 hour		2 hours		4 hours	
	Depth	Intensity	Depth	Intensity	Depth	Intensity	Depth	Intensity	Depth	Intensity	Depth	Intensity	Depth	Intensity	Depth	Intensity	Depth	Intensity
	Inches	Inches per hour	Inches	Inches per hour	Inches	Inches per hour	Inches	Inches per hour	Inches	Inches per hour	Inches	Inches per hour	Inches	Inches per hour	Inches	Inches per hour	Inches	Inches per hour
May 6.....	0.17.	5.10	0.42	5.04	0.55	3.30	0.58	2.32	0.60	1.80	0.60	1.20	0.70	0.70				
June:																		
10.....	.13	3.90	.22	2.64	.30	1.80	.44	1.76	.48	1.44	.57	1.44	.58	.58	0.66	0.33	0.73.	.18
18.....	.17	5.10	.36	4.32	.61	3.66	.84	3.36	.98	2.94	.87	1.74	1.09	1.09	1.10	.55	1.10	.28
23.....	.19	5.70	.28	3.35	.55	3.30	.58	2.32	.60	1.80	.62	1.20	.70	.70	.78	.39		
28.....	.14	4.20	.31	3.72	.45	2.70	.60	2.40	.61	1.83	.78	1.56	.85	.85	1.40	.70	1.52	.38
July:																		
22.....	.10	3.00	.24	2.88	.37	2.22	.53	2.12	.61	1.83	.74	1.48	.80	.80	.80	.40	.89	.22
23.....	.22	6.60	.38	4.56	.58	3.48	.69	2.76	.73	2.19	.76	1.52	.76	.76	.76	.38	.93	.23
Aug:																		
14.....	.11	3.30	.20	2.40	.28	1.68	.38	1.52	.48	1.44	.55	1.10	.61	.61	.78	.39	.83	.21
18.....	.12	3.60	.29	3.48	.33	1.98	.44	1.76	.48	1.44	.56	1.12	.66	.66	.67	.33	.68	.17
27 <sup>2</sup> .....	.10	3.00	.17	2.14	.24	1.44	.40	1.60	.49	1.47	.57	1.14	.94	.94	1.19	.60	1.33	.33

<sup>1</sup> All storms having a rainfall depth of 0.20 inch plus the product of 0.01 inch times the duration in minutes (0.25 inch in 5 minutes, 0.30 inch in 10 minutes, or 0.80 inch in 1 hour, etc.) are defined as "excessive," and the amounts and intensities are tabulated for the selected time intervals for the duration of the storm.

<sup>2</sup> No record for latter part of storm.

TABLE 6.—Soil moisture (percent of dry weight of soil and inches depth of water) of designated depths at watersheds and on dates indicated, 1940

Sampling station and date	Soil moisture content at depth <sup>1</sup> of—					Sampling station and date	Soil moisture content at depth of—				
	0-7 inches	7-14 inches	22-28 inches	32-40 inches	0 to 40 <sup>2</sup> inches		0-7 inches	7-14 inches	22-28 inches	32-40 inches	0 to 40 inches
	Percent	Percent	Percent	Percent	Inches		Percent	Percent	Percent	Percent	Inches
Jan. 3:						May 21: <sup>3</sup>					
Pasture watersheds 102 and 104.....	23	20	19	17	11	Pasture watersheds 102 and 104.....	20	18	18	17	11
Wooded watershed 131.....	20	14	14	13	9	Wooded watershed 131.....	22	16	14	14	10
Cultivated watershed 109.....	24	18	15	15	10	Cultivated watershed 109.....	14	15	15	15	9
Cultivated watershed 123.....	30	22	21	19	13	Cultivated watershed 123.....	19	20	22	21	13
Jan. 10:						May 29: <sup>4</sup>					
Pasture watersheds 102 and 104.....	26	21	21	19	12	Pasture watersheds 102 and 104.....	23	22	19	18	12
Wooded watershed 131.....	23	16	15	13	10	Wooded watershed 131.....	23	17	16	16	10
Cultivated watershed 109.....	32	18	19	16	11	Cultivated watershed 109.....	17	17	15	16	10
Cultivated watershed 123.....	27	21	21	20	13	Cultivated watershed 123.....	22	22	22	20	13
Feb. 12:						June 5:					
Pasture watersheds 102 and 104.....	38	25	22	22	14	Pasture watersheds 102 and 104.....	24	20	19	19	12
Wooded watershed 131.....	30	19	17	17	12	Wooded watershed 131.....	23	19	17	16	11
Cultivated watershed 109.....	34	30	24	20	14	Cultivated watershed 109.....	18	20	16	17	11
Cultivated watershed 123.....	38	26	24	23	15	Cultivated watershed 123.....	23	23	23	22	14
Mar. 4: <sup>3</sup>						June 12: <sup>4</sup>					
Pasture watersheds 102 and 104.....	36	25	24	24	15	Pasture watersheds 102 and 104.....	27	24	21	19	14
Wooded watershed 131.....	21	21	19	18	13	Wooded watershed 131.....	29	19	18	17	12
Cultivated watershed 109.....	33	26	21	18	13	Cultivated watershed 109.....	23	22	20	20	13
Cultivated watershed 123.....	38	26	23	22	15	Cultivated watershed 123.....	27	25	24	23	15
Mar. 19:						June 19: <sup>3</sup>					
Pasture watersheds 102 and 104.....	30	24	23	22	14	Pasture watersheds 102 and 104.....	27	25	23	21	14
Wooded watershed 131.....	30	21	19	17	12	Wooded watershed 131.....	25	19	18	16	11
Cultivated watershed 109.....	30	26	21	18	13	Cultivated watershed 109.....	20	20	17	16	11
Cultivated watershed 123.....	34	29	26	25	17	Cultivated watershed 123.....	27	25	24	26	16
Mar. 28:						June 26: <sup>4</sup>					
Pasture watersheds 102 and 104.....	27	22	20	19	13	Pasture watersheds 102 and 104.....	26	22	22	20	13
Wooded watershed 131.....	28	18	16	16	11	Wooded watershed 131.....	25	18	16	16	11
Cultivated watershed 109.....	28	21	18	16	12	Cultivated watershed 109.....	19	17	17	17	11
Cultivated watershed 123.....	32	24	24	22	15	Cultivated watershed 123.....	26	25	24	23	15
Apr. 4:						July 9: <sup>4</sup>					
Pasture watersheds 102 and 104.....	27	24	22	21	14	Pasture watersheds 102 and 104.....	20	20	19	19	12
Wooded watershed 131.....	28	21	18	16	12	Wooded watershed 131.....	21	17	16	16	10
Cultivated watershed 109.....	25	22	20	19	13	Cultivated watershed 109.....	15	18	17	16	10
Cultivated watershed 123.....	30	26	25	23	16	Cultivated watershed 123.....	23	23	24	23	14
Apr. 11: <sup>4</sup>						July 16:					
Pasture watersheds 102 and 104.....	26	23	22	20	13	Pasture watersheds 102 and 104.....	18	16	16	16	10
Wooded watershed 131.....	26	19	17	16	11	Wooded watershed 131.....	19	14	14	15	9
Cultivated watershed 109.....	27	25	24	21	15	Cultivated watershed 109.....	14	15	15	15	9
Cultivated watershed 123.....	27	25	24	21	15	Cultivated watershed 123.....	22	22	23	21	13
Apr. 22:						July 23: <sup>4</sup>					
Pasture watersheds 102 and 104.....	26	22	20	18	13	Pasture watersheds 102 and 104.....	18	15	16	15	10
Wooded watershed 131.....	23	18	17	16	11	Wooded watershed 131.....	20	19	19	18	11
Cultivated watershed 109.....	24	21	20	19	12	Cultivated watershed 109.....	15	14	15	14	9
Cultivated watershed 123.....	27	24	22	21	15	Cultivated watershed 123.....	22	20	21	21	13
May 1: <sup>3</sup>						July 30:					
Pasture watersheds 102 and 104.....	24	20	19	18	12	Pasture watersheds 102 and 104.....	22	19	19	18	11
Wooded watershed 131.....	24	18	16	15	11	Wooded watershed 131.....	20	15	17	18	11
Cultivated watershed 109.....	19	19	18	18	11	Cultivated watershed 109.....	14	16	16	16	10
Cultivated watershed 123.....	24	23	23	23	15	Cultivated watershed 123.....	24	23	23	23	14
May 8:						Aug. 7:					
Pasture watersheds 102 and 104.....	25	22	21	19	13	Pasture watersheds 102 and 104.....	15	16	15	15	10
Wooded watershed 131.....	25	19	17	17	11	Wooded watershed 131.....	15	12	11	11	7
Cultivated watershed 109.....	18	18	17	17	11	Cultivated watershed 109.....	13	12	13	13	8
Cultivated watershed 123.....	24	23	24	22	15	Cultivated watershed 123.....	17	18	20	21	12

See footnotes at end of table.



TABLE 6.—*Soil moisture (percent of dry weight of soil and inches depth of water) of designated depths at watersheds and on dates indicated, 1940—Continued*

Sampling station and date	Soil moisture content at depth <sup>1</sup> of—					Sampling station and date	Soil moisture content at depth <sup>1</sup> of—				
	0-7 inches	7-14 inches	22-28 inches	32-40 inches	0 to 40 <sup>2</sup> inches		0-7 inches	7-14 inches	22-28 inches	32-40 inches	0 to 40 <sup>2</sup> inches
Aug. 13:	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Inches</i>	Oet. 29—Continued.	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Inches</i>
Pasture watersheds 102 and 104.....	11	13	14	14	8	Cultivated watershed 109.....	17	16	17	17	11
Wooded watershed 131.....	10	8	9	11	6	Nov. 6: <sup>3</sup>					
Cultivated watershed 109.....	9	11	10	10	6	Pasture watersheds 102 and 104.....	26	23	20	19	13
Cultivated watershed 123.....	13	15	17	19	10	Wooded watershed 131.....	25	18	15	12	10
Aug. 20:						Cultivated watershed 109.....	21	18	15	15	10
Pasture watersheds 102 and 104.....	17	15	15	15	10	Cultivated watershed 123.....	25	21	20	17	13
Wooded watershed 131.....	19	12	12	12	8	Nov. 13:					
Cultivated watershed 109.....	13	12	12	13	8	Pasture watersheds 102 and 104.....	25	23	20	19	13
Cultivated watershed 123.....	20	19	20	21	12	Wooded watershed 131.....	23	15	13	13	9
Aug. 28:						Cultivated watershed 109.....	22	19	15	15	10
Pasture watersheds 102 and 104.....	24	22	19	17	12	Cultivated watershed 123.....	27	25	23	20	14
Wooded watershed 131.....	22	19	18	19	12	Nov. 20:					
Cultivated watershed 109.....	21	20	19	19	12	Pasture watersheds 102 and 104.....	26	24	22	20	14
Cultivated watershed 123.....	27	25	25	24	16	Wooded watershed 131.....	27	19	15	15	9
Sept. 3:						Cultivated watershed 109.....	22	19	16	14	10
Pasture watersheds 102 and 104.....	24	21	20	19	12	Cultivated watershed 123.....	26	24	22	21	14
Wooded watershed 131.....	25	24	24	19	15	Nov. 27: <sup>3</sup>					
Cultivated watershed 109.....	20	19	20	19	12	Pasture watersheds 102 and 104.....	27	24	22	20	14
Cultivated watershed 123.....	26	24	24	23	15	Wooded watershed 131.....	29	24	22	23	15
Sept. 12:						Cultivated watershed 109.....	26	23	20	18	13
Pasture watersheds 102 and 104.....	24	21	19	18	12	Cultivated watershed 123.....	28	27	25	24	16
Wooded watershed 131.....	18	15	13	11	8	Dec. 4:					
Cultivated watershed 109.....	20	19	18	17	11	Pasture watersheds 102 and 104.....	28	24	21	19	13
Cultivated watershed 123.....	24	23	22	21	14	Wooded watershed 131.....	28	24	24	23	15
Sept. 19:						Cultivated watershed 109.....	26	22	20	18	12
Pasture watersheds 102 and 104.....	23	20	18	18	12	Cultivated watershed 123.....	28	25	25	23	15
Wooded watershed 131.....	18	15	17	18	10	Dec. 11:					
Cultivated watershed 109.....	15	15	15	13	9	Pasture watersheds 102 and 104.....	26	23	21	20	13
Cultivated watershed 123.....	22	22	23	22	14	Wooded watershed 131.....	26	22	20	20	13
Sept. 25: <sup>3</sup>						Cultivated watershed 109.....	25	23	21	19	13
Pasture watersheds 102 and 104.....	27	23	21	19	13	Cultivated watershed 123.....	27	25	25	23	15
Wooded watershed 131.....	22	13	16	14	9	Dec. 18:					
Cultivated watershed 109.....	22	21	21	19	13	Pasture watersheds 102 and 104.....	27	24	21	20	13
Cultivated watershed 123.....	27	25	23	22	15	Wooded watershed 131.....	29	19	16	17	12
Oet. 3:						Cultivated watershed 109.....	26	23	21	19	13
Pasture watersheds 102 and 104.....	20	20	20	22	12	Cultivated watershed 123.....	29	26	24	22	15
Wooded watershed 131.....	17	12	11	11	7	Dec. 30: <sup>3</sup>					
Cultivated watershed 109.....	15	16	15	15	9	Pasture watersheds 102 and 104.....	27	25	22	20	13
Cultivated watershed 123.....	22	22	22	22	14	Wooded watershed 131.....	30	22	18	18	13
Oet. 10:						Cultivated watershed 109.....	26	24	22	21	13
Pasture watersheds 102 and 104.....	21	18	17	17	11	Cultivated watershed 123.....	30	27	27	26	16
Wooded watershed 131.....	14	10	11	11	7						
Cultivated watershed 109.....	13	13	14	12	8						
Cultivated watershed 123.....	18	17	17	16	11						
Oet. 22:											
Pasture watersheds 102 and 104.....	21	17	17	16	11						
Wooded watershed 131.....	14	11	10	10	7						
Cultivated watershed 109.....	13	13	12	12	8						
Cultivated watershed 123.....	19	18	18	17	11						
Oet. 29: <sup>4</sup>											
Pasture watersheds 102 and 104.....	21	18	17	16	11						
Wooded watershed 131.....	15	11	10	10	7						

<sup>1</sup> 6 points sampled in duplicate for each depth in pasture watersheds 102 and 104, 10 points sampled in duplicate for each depth in wooded watershed 131, and 4 points sampled in duplicate for each depth in cultivated watersheds 109 and 123.

<sup>2</sup> Expressed in total inches of water contained in the profile from soil surface to 40 inches depth.

<sup>3</sup> Samples taken after rain period.

<sup>4</sup> Samples taken before rain period.



TABLE 7.—Area, elevation, length, slope, soil, and land use for all watersheds

Run-off station	Drainage area		Elevation (mean sea level)		Length of principal water-course	Area on slopes of —				Average <sup>1</sup> slope	Predominant soil		Area in—				
						Less than 6 percent	6-10 percent	10-20 percent	20 percent and over				Wood-land	Pasture and all meadow	Culti-vation, exclud-ing ro-tation meadow	Other uses	
	Lowest	Highest	Type	Extent													
	Square miles	Acres	Feet	Feet	Feet	Percent	Percent	Percent	Percent	Percent		Percent	Percent	Percent	Percent	Percent	
91	0.46	293	970	1,280	6,800						Coshocton silt loam	27	18	64	12	6	
92	1.44	920	933	1,280	9,500	5	20	55	20		do	18	21	59	16	4	
93	1.68	1,078	916	1,280	11,200						do	15	23	57	16	4	
94	2.37	1,517	893	1,280	13,700						Keene silt loam	15	24	57	15	4	
95	4.02	2,569	858	1,280	18,700	6	12	51	31		do	19	26	55	15	4	
97	7.16	4,581	811	1,290	29,500						do	(2)	26	55	15	4	
5	.55	349	980	1,230	4,900						Muskingum silt loam	13	22	50	23	5	
9	.59	377	898	1,270	5,800					20.0	Keene silt loam	22	45	40	12	3	
10		122	900	1,130	3,400	5	8	62	25		do	39	25	48	21	6	
11	.46	292	882	1,200	7,200						Muskingum silt loam	30	31	55	12	2	
13	.69	439	883	1,290	6,200						Keene silt loam	22	45	43	9	3	
20	.58	373	834	1,190	7,400						do	(2)	22	57	18	3	
169		29.0	1,035	1,165	1,350	0	19	67	14	15.7	do	(2)	7	44	40	9	
172		43.6	1,005	1,289	2,000	0	0	0	100	22.8	do	(2)	99	0	0	1	
177		75.6	1,050	1,300	2,750	4	23	56	17	15.7	Muskingum loam	(2)	11	36	42	11	
183		74.2	900	1,115	3,200	8	29	44	19	14.8	Coshocton silt loam	(2)	14	50	35	1	
196	.47	303	905	1,185	4,600					14.0	do	(2)	26	44	22	8	
102	1.25	1,165	1,238	350	0	17	59	24	18.2	Muskingum silt loam		0	100	0	0	0	
103	.65	1,125	1,252	275	0	64	36	0	11.3	Keene silt loam		0	0	100	0	0	
104	1.33	1,165	1,238	400	0	0	44	56	20.7	Muskingum silt loam		0	100	0	0	0	
106	1.56	1,109	1,161	400	32	0	68	0	14.3	Muskingum loam		0	100	0	0	0	
107	2.59	1,081	1,182	650	0	0	78	22	15.3	do		100	0	0	0	0	
109	1.69	1,162	1,204	350	0	71	29	0	12.7	Muskingum silt loam		0	0	100	0	0	
110	1.27	1,112	1,160	325	0	35	65	0	13.0	Keene silt loam		0	0	100	0	0	
111	1.18	1,093	1,125	475	0	100	0	0	7.5	Coshocton silt loam		0	0	100	0	0	
113	1.45	1,061	1,103	375	0	61	39	0	9.3	do		0	0	100	0	0	
115	1.61	1,100	1,126	425	69	31	0	0	6.6	Muskingum silt loam		0	0	100	0	0	
118	1.96	1,028	1,069	350	0	95	5	0	9.6	Coshocton silt loam		0	0	100	0	0	
121	1.42	1,109	1,161	350	0	17	53	30	15.8	Muskingum loam		0	0	100	0	0	
123	1.37	1,107	1,132	450	62	38	0	0	5.8	Keene silt loam		0	0	100	0	0	
124	2.07	1,072	1,131	500	0	27	57	16	12.9	Coshocton silt loam		0	100	0	0	0	
128	2.21	1,082	1,248	400	0	24	59	17	13.6	Muskingum loam		0	0	100	0	0	
129	2.47	1,177	1,276	525	0	15	47	38	18.6	Muskingum silt loam		0	100	0	0	0	
130	1.63	1,166	1,288	550	0	0	27	73	21.7	do		0	100	0	0	0	
131	2.21	1,158	1,289	575	0	0	0	100	21.6	Muskingum loam		100	0	0	0	0	
134	.92	1,116	1,190	350	0	11	47	42	23.2	Muskingum silt loam		100	0	0	0	0	
135	2.69	1,182	1,260	525	0	10	84	6	15.3	do		0	100	0	0	0	
185	6.87	1,097	1,160	650	0	47	53	0	13.6	do		0	0	100	0	0	
187	7.20	1,050	1,155	750	3	13	71	13	15.5	Coshocton silt loam		0	0	100	0	0	
188	2.06	1,115	1,149	425	0	60	40	0	9.2	Muskingum silt loam		0	0	100	0	0	
191	1.08	1,118	1,150	375	0	55	45	0	9.4	do		0	0	100	0	0	
192	7.86	1,085	1,180	720	0	7	75	18	15.8	do		0	0	100	0	0	

<sup>1</sup> Average slope is a product of the length of contours and the contour interval divided by the area.<sup>2</sup> Exact extent has not been determined.



TABLE 8.—Instrumentation for each watershed

Water shed No.	Run-off measuring station						Rain gages		Ground-water wells	Silt-measuring device			
	Date record started	Location		Station type <sup>1</sup>	Water-stage recorder		Record- ing	Non- record- ing		Type	Length	Width	Depth
		Latitude	Longitude		Scale: 1 inch on chart equals—								
					Time	Gage height							
					Min- utes	Feet	Num- ber	Num- ber	Number		Feet	Feet	Feet
91	November 1936	40°24'23"	81°48'11"	CM	100	0.20	1	4	2				
92	September 1936	40°24'08"	81°47'41"	CM	100	.20	3	5	4				
93	November 1936	40°23'50"	81°48'05"	CM	100	.20	3	7	6				
94	February 1937	40°23'32"	81°48'24"	CM	100	.20	3	13	9				
95	January 1937	40°23'03"	81°49'04"	CM	100	.20	5	27	15				
97	January 1937	40°21'51"	81°50'20"	CM	100	.20	10	50	27				
5	March 1937	40°24'23"	81°48'11"	CM	100	.20	2	4	3				
9	March 1937	40°23'21"	81°48'20"	CM	100	.20	2	8	5				
10	August 1937	40°23'33"	81°48'19"	15-DP	100	.20	1	6	1				
11	March 1937	40°23'21"	81°48'58"	CM	100	.20	1	7	0				
13	August 1937	40°22'39"	81°48'35"	CM	100	.20	5	9	3				
20	March 1937	40°22'10"	81°49'53"	CM	100	.20	2	10	6				
169	January 1940	40°21'27"	81°48'11"	4-DP	50	.20	1	1	0				
172	January 1939	40°21'58"	81°48'04"	4-DP	50	.20	2	1	2				
177	December 1939	40°22'01"	81°47'58"	8-DP	50	.20	4	0	0				
183	February 1938	40°21'29"	81°46'53"	8-DP	50	.20	2	1	2				
196	April 1937	40°21'36"	81°46'04"	CM	100	.20	9	3	4				
102	March 1937	40°22'28"	81°47'40"	1-P	25	.20	1	1	0	Ramser	16	5	2
103	March 1939	40°21'58"	81°47'49"	2-H	25	.20	1	0	0	do	64	5	4
104	March 1937	40°22'12"	81°47'40"	1-P	25	.20	1	1	0	do	16	5	2
106	March 1939	40°22'45"	81°47'56"	2.5-H	25	.20	1	0	0				
107	July 1938	40°21'13"	81°47'13"	2-H	25	.20	1	0	0	Ramser	20	4	2
109	July 1938	40°22'13"	81°47'38"	3-H	25	.20	1	1	0	do	60	8	4
110	March 1938	40°21'58"	81°47'40"	2.5-H	25	.20	1	0	0	do	40	8	4
111	August 1939	40°22'04"	81°46'52"	2.5-H	25	.20	1	0	0				
113	August 1939	40°22'05"	81°46'47"	2.5-H	25	.20	1	0	0				
115	December 1938	40°22'26"	81°46'09"	2.5-H	25	.20	1	1	0	Ramser	50	8	4
118	August 1939	40°21'55"	81°47'10"	3-H	25	.20	1	0	0				
121	March 1939	40°21'39"	81°48'02"	2.5-H	25	.20	1	0	0				
123	December 1938	40°22'24"	81°47'19"	2.5-H	25	.20	1	1	0	Ramser	65	5	4
124	August 1939	40°21'53"	81°46'43"	2.5-H	25	.20	1	0	0				
128	June 1939	40°21'41"	81°47'38"	3-H	25	.20	1	0	0	Ramser	55	8	4
129	March 1938	40°22'21"	81°47'51"	1-P	25	.20	1	0	0	do	20	5	2
130	April 1938	40°22'15"	81°47'59"	0.75-P	25	.20	1	0	0	do	20	4	2
131	May 1938	40°22'11"	81°48'13"	0.5-P	25	.20	3	20	1	do	20	3	2
134	May 1938	40°22'13"	81°48'29"	0.5-P	25	.20	1	0	0	do	20	3	2
135	March 1938	40°22'23"	81°47'03"	1-P	25	.20	1	0	0	do	20	5	2
185	August 1939	40°21'30"	81°47'48"	4.5-H	25	.20	1	0	0				
187	August 1939	40°21'29"	81°47'29"	4.5-H	25	.20	1	0	0				
188	July 1939	40°21'27"	81°47'41"	3-H	25	.20	1	0	0	Ramser	55	8	4
191	August 1939	40°21'29"	81°47'45"	1.5-H	25	.20	1	0	0				
192	August 1939	40°21'41"	81°47'52"	4.5-H	25	.20	1	0	0				

<sup>1</sup> 3-H, H measuring flume, 3 feet deep. 1-P, Parshall measuring flume, 1-foot throat width. 15-DP, dual Parshall measuring flume, main-flume throat width of 15 feet and a small supplemental flume for low flows. CM, current-meter station with artificial control.

TABLE 9.—Land use distribution in each watershed, 1940 <sup>1 2</sup>

Watershed No.	Crops intertilled		Crops drilled or broadcast			Meadow	Permanent and semipermanent pasture	Pastured woodland	Protected woodland	Reforested	Idle land	Farmsteads	Roads
	Corn	Potatoes	Wheat	Oats	Soybeans								
	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
91	13.3	0	6.2	11.6	3.9	82.0	86.4	17.3	35.8	0.8	18.2	13.5	4.0
92	50.7	1.2	52.2	31.6	11.8	242	252	76.3	111	3.7	48.0	27.3	12.2
93	61.0	1.9	62.0	31.6	14.0	267	294	110	128	4.9	55.7	32.4	15.5
94	88.5	3.6	84.2	32.6	14.7	376	412	149	210	9.6	75.0	38.7	23.1
95	153	6.0	163	48.0	17.5	594	598	224	447	12.0	214	56.0	36.5
97	289	10.1	259	81.0	30.7	1,080	1,090	330	793	78.3	373	100	66.9
5	23.0	1.0	42.0	10.2	2.9	85.3	85.8	24.3	50.4	2.9	4.7	10.7	5.8
9	12.4	1.6	23.4	4.0	2.5	50.2	33.0	1.7	166	2.1	68.8	7.0	4.3
10	8.3	0	17.0	0	0	42.0	13.9	18.6	11.9	0	3.3	5.0	2.0
11	14.1	0	19.3	0	0	34.6	82.4	59.6	31.0	0	44.4	3.7	2.9
13	9.0	0	21.1	1.7	7.4	54.9	61.5	9.6	162	25.6	74.0	4.5	7.7
20	30.3	1.4	22.7	10.3	1.3	106	88.5	31.4	45.3	6.6	17.5	5.8	5.9
169	10.0	0	1.7	0	0	9.4	2.3	0	1.0	1.1	1.3	2.2	0
172	0	0	0	0	0	0	0	0	11.0	32.6	0	0	0
177	14.6	0	1.5	15.4	0	6.5	21.0	0	2.1	5.9	0	7.1	1.5
183	11.0	0	4.8	10.3	0	14.6	22.6	7.7	2.4	0	0	0	.8
196	18.0	0	35.3	12.7	1.7	63.5	66.7	28.7	51.1	0	2.2	14.2	8.9

<sup>1</sup> Watersheds 103, 109, 110, 111, 113, 115, 118, 121, 123, 128, 185, 187, 188, 191, and 192 in wheat; watersheds 102, 104, 124, 129 and 135 in pasture; watersheds 106 and 130 in meadow; watersheds 107 and 134 in reforestation; and watershed 131 in protected woodland.

<sup>2</sup> For location of the areas in different land uses, see figs. 4 and 5. The crop listed for each of these areas is the crop harvested during the year 1940. See the text and table 10 for dates and details of farm operations for these crops. Conversion of the various crop areas, after harvest, to other use was approximately as follows: Corn, 35 percent to oats, 65 percent to wheat; wheat, 100 percent to clover; oats, 90 percent plowed for wheat; 10 percent to meadow. Soybeans, 100 percent plowed for wheat; meadow, 10 percent plowed for winter grain (wheat and barley), 90 percent retained through the winter in meadow; pasture, 5 percent plowed for wheat, 95 percent retained through the winter in pasture.



TABLE 10.—*Semimonthly record of cover and soil, 1940*

Date	Area in meadow of timothy, clover, and weeds		Area in meadow of alfalfa and weeds		Area in pasture <sup>1</sup>		Area in corn <sup>2</sup>			Area in oats			Area in wheat <sup>3</sup>		Area in woods <sup>4</sup>		Area reforested <sup>5</sup>	
	Cover height	Soil-sur-face condition	Cover height	Soil-sur-face condition	Cover height	Soil-sur-face condition	Description	Height	Soil-sur-face condition	Description	Height	Soil-sur-face condition	Description	Height	Cover	Soil-sur-face condition	Description	Height
Jan. 10.....	2	Frozen 1 in.	2	Frozen 1 in.	2	Moist and soft.	Clover	3	Frozen 1 in.	Corn stubble	10	Frozen 4 in.	Wheat	5	Dormant.	Moist and soft.	Grass and weeds.	6
Jan. 24.....	2	Frozen 2 in.	2	Frozen 2 in.	2	Frozen 2 in.	do	3	Frozen 2 in.	do	10	Frozen 5 in.	do	5	do	do	do	6
Feb. 8.....	2	Frozen 4 in.	2	Frozen 4 in.	2	Frozen 4 in.	do	3	Frozen 4 in.	do	10	do	do	5	do	do	do	6
Feb. 23.....	2	Moist and firm.	2	Moist and soft.	2	Moist and soft.	do	3	Moist and soft.	do	10	Moist and soft.	do	5	do	do	do	6
Mar. 5.....	2	Wet and soft.	2	Soggy and soft.	2	Soggy and soft.	do	3	Soggy and soft.	do	10	Soggy and soft.	do	5	do	Soggy and soft.	do	6
Mar. 20.....	2	Moist and soft.	2	Moist and soft.	2	Moist and soft.	do	3	Moist and soft.	do	10	Wet and soft.	do	5	do	Moist and soft.	do	6
Apr. 5.....	2	do	2	do	2	do	do	3	do	do	10	Moist and soft.	do	5	do	Moist and soft.	do	5
Apr. 17.....	2	Moist and loose.	2	do	2	Fairly wet and soft.	do	3	do	do	10	Wet and soft.	do	5.5	Budding.	do	Wet and soft.	5
May 1.....	3	Moist and soft.	4	Moist and soft.	3	Moist and soft.	do	3	Moist and soft.	Plowed Oats drilled	0	Moist and soft.	do	6	Leaves appearing.	Moist and soft.	Fairly wet and soft.	6
May 15.....	7	Dry and loose.	12	Dry and soft.	4	Dry and loose.	Plowed Corn planted	5	Dry and loose.	Oats	3	Dry and loose.	do	12	Leaves almost developed.	Moist and soft.	Moist and soft.	7
June 5.....	10	do	12	do	5	do	Corn cultivated.	5	do	do	5	do	do	20	Full leaf.	do	Dry and loose.	9
June 17.....	12	Wet and soft.	13	Moist and soft.	6	Moist and soft.	do	12	Wet and soft.	do	10	Wet and soft.	do	35	do	Fairly wet and soft.	Moist and soft.	10
June 29.....	14	Moist and soft.	(7)	Moist and soft.	10	Moist and soft.	Corn cultivated.	35	Moist and soft.	do	18	Moist and soft.	do	38	do	Moist and soft.	Moist and soft.	15
July 12.....	(7)	Fairly wet and soft.	6	Fairly wet and soft.	12	Fairly wet and soft.	Corn	38	Wet and soft.	do	22	Wet and soft.	Wheat harvested.	5	do	Fairly wet and soft.	Fairly wet and soft.	17
Aug. 4.....	4	Dry and loose.	12	Dry and loose.	14	Dry and loose.	do	65	Dry and loose.	Oats harvested.	4	Dry and loose.	do	5	do	Dry and loose.	Dry and loose.	18
Aug. 7.....	4	Dry and soft.	(7)	do	13	do	do	82	do	Oat stubble	4	do	do	6	do	do	do	18
Sept. 22.....	4	Moist and soft.	8	Moist and soft.	12	Moist and soft.	Corn cut and shocked.	10	Wet and soft.	do	0	Wet and soft.	do	7	Leaves falling.	Moist and loose.	Moist and soft.	16
Oct. 2.....	5	Dry and loose.	7	Dry and loose.	11	Dry and loose.	do	10	Dry and loose.	Wheat drilled.	1	Dry and loose.	do	7	do	Moist and soft.	Do.	15
Oct. 10.....	5	do	5	do	10	do	do	10	do	do	2	do	do	6	Almost all leaves off.	do	Dry and loose.	12
Nov. 7.....	5	Moist and soft.	4	Moist and soft.	6	Moist and soft.	do	10	Moist and soft.	do	3	Moist and soft.	do	5	Dormant.	do	Moist and soft.	10
Dec. 10.....	3	do	4	do	4	do	do	10	do	do	4	do	do	3	do	do	Do.	8
Nov. 29.....	2	do	3	do	4	do	do	10	do	do	5	do	do	2	do	do	Do.	7

<sup>1</sup> Pasture consisted of grass and weeds with less than 5 percent clover.  
<sup>2</sup> Corn was very weedy owing to the wet period in early summer.  
<sup>3</sup> Clover was seeded with wheat. Following harvest, cover consisted of clover and weeds. Amount of litter on ground was less than 300 pounds per acre.  
<sup>4</sup> Woodland consisted of protected mixed hardwoods.  
<sup>5</sup> Reforested area consisted of red, white, and pitch pines with an average annual growth of 10 inches. Principal cover was grass and weeds.  
<sup>6</sup> Vegetation other than trees.  
<sup>7</sup> Out for hay.







TABLE 11.—Index of run-off records and daily run-off for watersheds

Date	102			104			107			109			113			115		
	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off
	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>
Jan.: 13.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14.....	0	0	0	0	0	0	0.16	0.061	.186	.64	.378	.608	.36	.248	.502	.02	.002	.010
16.....	0	0	0	0	0	0	(1)	(1)	.013	0	0	0	0	0	0	0	.015	.047
Total.....			0			0			.199			.608			.502			.057
Feb.: 6.....	0	0	0	0	0	0	(1)	(1)	.017	.64	.378	.464	.22	.152	.543	0	0	0
9.....	0	0	0	0	0	0	.02	.006	.011	.18	.106	.196	.48	.328	.147	0	0	0
10.....	0	0	0	0	0	0			.254	.55	.323	.987			.714	.28	.172	.278
11.....	0	0	0	0	0	0	.16	.061	.151	0	0	0	0	0	0	0	0	0
12.....	0	0	0	0	0	0			.320	.75	.439	.230	.15	.102	.244	.07	.046	.059
13.....	0	0	0	0	0	0			.114	0	0	0	0	0	0	0	0	0
18.....	0	0	0	0	0	0	.13	.050	.329	0	0	0	0	0	0	0	0	0
19.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(1)	(1)	.013
Total.....			0			0			1.20			1.88			1.65			.350
Mar.: 2.....	0	0	0	0	0	0	.25	.096	.114	0	0	0	.76	.543	1.11	0	0	0
3.....	0	0	0	0	0	0			.344	2.85	1.67	.338			1.67	1.00	.653	.483
4.....	0	0	0	0	0	0	0	0	.019	0	0	0			.317	.02	.012	.015
5.....	0	0	0	0	0	0	0	0	0	0	0	0			.009	0	0	0
6.....	0	0	0	0	0	0	0	0	0	0	0	0	.01	.008	.023	0	0	0
7.....	0	0	0	0	0	0	0	0	0	0	0	0	.01	.008	.028	0	0	0
17.....	0	0	0	0	0	0	.03	.011	.014	.22	.129	.210	(2)	(2)	(2)	.07	.041	.050
18.....	0	0	0	0	0	0	.07	.027	.017	.42	.247	.118	.50	.342	.255	.05	.033	.042
27.....	0	0	0	0	0	0	0	0	0	0	0	0	.02	.014	.018	0	0	0
30.....	0	0	0	0	0	0	.07	.027	.099	0	0	0	(2)	(2)	(2)	.02	.012	.046
31.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	T	.002	.007
Total.....			0			0			.607			.666			3.43			.643
Apr.: 1.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3.....	0	0	0	0	0	0	(1)	(1)	.003	0	0	0	.57	.387	.047	.04	.022	.007
7.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.....	0	0	0	0	0	0	.23	.090	.301	.06	.036	.102	.18	.126	.297	.10	.061	.186
12.....	0	0	0	0	0	0	T	.001	.016	0	0	0	0	0	0	.01	.007	.127
13.....	0	0	0	0	0	0			.001	0	0	0	0	0	0			.014
14.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.02	.010	.018
15.....	0	0	0	0	0	0	.01	.005	.020	0	0	0	0	0	0	0	0	0
16.....	0	0	0	0	0	0	T	T	.001	0	0	0	0	0	0	0	0	0
17.....	0	0	0	0	0	0	.01	.002	.004	0	0	0	0	0	0	0	0	0
18.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19.....	.06	.044	.042	.07	.053	.049	.58	.221	.282			.222			.564			.175
20.....			.014			.002			.750			.337			.941	.30	.182	.322
21.....	0	0	0	0	0	0	T	.001	.002	.40	.236	.002	.61	.419	.329			0
22.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total.....			.056			.051			1.38			.663			2.18			.849
May: 6.....	0	0	0	.04	.032	.006	.03	.013	.006	1.82	1.07	.234	2.53	1.73	.384	2.86	1.76	.358
15.....	0	0	0	0	0	0	0	0	0	.01	.004	.010	0	0	0	0	0	0
19.....	0	0	0	0	0	0	0	0	0	.01	.007	.003	.61	.419	.062	0	0	0
24.....	0	0	0	0	0	0	.03	.013	.026	.95	.558	.404	.88	.600	.614	.57	.349	.307
29.....	0	0	0	0	0	0	0	0	0			.090	(2)	(2)	(2)			.064
30.....	0	0	0	0	0	0	.02	.010	.046	.80	.471	.154	(2)	(2)	(2)	.30	.182	.307
Total.....			0			.006			.078			.895			3 1.06			1.04

<sup>1</sup> No rate record, daily run-off obtained from silt-box measurements.<sup>2</sup> No record.<sup>3</sup> Total exclusive of amounts on days with no record.







TABLE 11.—Index of run-off records and daily run-off for watersheds

Date	102			104			107			109			113			115		
	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off
	Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.
June: 8-----	0	0	0	0	0	0	0	0	0	.23	.138	.032	.10	.068	.014	.21	.129	.043
9-----	0	0	0	0	0	0	0	0	0	.10	.039	.012	2.85	1.67	.426	2.02	1.38	.264
10-----	0	0	0	0	0	0	.15	.057	.023	1.37	.804	.121	1.16	.793	.221	.91	.558	.097
11-----	0	0	0	0	0	0	.55	.212	.072	1.69	.992	.287	3.61	2.47	.450	1.66	1.02	.278
12-----	0	0	0	0	0	0												
18-----	.06	.044	.018	.71	.538	.103	1.97	.745	.279	4.30	2.52	.635	4.69	3.21	.923	4.24	2.61	.723
23-----	0	0	0	0	0	0	.20	.075	.036	3.87	2.27	.338	4.39	3.00	.311	2.32	1.43	.232
25-----	0	0	0	0	0	0	0	0	0	.64	.378	.055	.54	.371	.042	.07	.046	.014
26-----	0	0	0	0	0	0	0	0	0	.46	.271	.033	.42	.287	.025	.07	.041	.013
28-----	1.15	.913	.241	1.11	.842	.294	1.38	.528	.351	5.96	3.50	1.23	3.61	2.47	1.093	4.17	2.57	1.143
30-----	0	0	0	0	0	0	.14	.053	.038	.30	.174	.151	(2)	(2)	(2)	.21	.129	.115
Total-----			.259			.397			.811			3.32			<sup>3</sup> 3.44			2.94
July: 1-----	0	0	0	0	0	0												
11-----	0	0	0	0	0	0	0	0	{ .055 }	.18	.106	{ .056 }	(2)	(2)	(2)	.01	.004	{ .046 }
22-----	0	0	0	0	0	0	0	0	0	1.61	.945	.183	1.50	1.30	.333	.11	.067	.026
23-----	.16	.126	.019	.12	.091	.021	.18	.070	.012	6.05	3.55	.806	4.62	3.16	.676	4.31	2.65	.605
24-----	0	0	0	0	0	0	.02	.006	.002	1.15	.675	.094	.82	.561	.073	.36	.224	.036
26-----	0	0	0	0	0	0	.01	.004	.002	1.83	1.07	.159	1.38	.944	.178	.54	.334	.064
27-----	0	0	0	0	0	0	0	0	0	.01	.008	.001	0	0	0	.01	.006	.001
Total-----			.019			.021			.071			1.32			1.29			.779
Aug.: 14-----	.12	.095	.011	.03	.023	.007	0	0	0	2.92	1.71	.359	0	0	0	.40	.246	.038
18-----	.01	.008	.001	0	0	0	0	0	0	2.16	1.27	.246	2.07	1.42	.197	.71	.439	.104
19-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25-----	0	0	0	0	0	0	0	0	0	.05	.032	.004	0	0	0	0	0	0
26-----	0	0	0	0	0	0												
27-----	1.11	.881	.244	.51	.387	.089	.53	.204	{ .001 }	1.57	.921	.122	1.62	1.11	.127	.40	.246	.034
29-----	0	0	0	0	0	0	.03	.012	.014	.322	1.89	1.53	3.48	2.38	1.33	2.58	1.59	1.07
30-----	.01	.008	.005	.06	.042	.048	.34	.130	.317	.95	.559	.168	.36	.248	.232	.15	.092	.093
Total-----			.261			.144			.489			2.70			2.38			1.70
Sept.: 7-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	.02	.010	.003
8-----	0	0	0	0	0	0	0	0	0	.03	.018	.004	.15	.102	.021	0	0	0
10-----	0	0	0	0	0	0	0	0	0	.04	.007	.003	.07	.046	.016	.04	.025	.009
24-----	0	0	0	0	0	0			{ .001 }			.049	.64	.435	.080			{ .019 }
25-----	0	0	0	0	0	0	.01	.004	{ .004 }	.48	.284	{ .024 }	.13	.087	.061	.16	.099	{ .023 }
Total-----			0			0			.005			.080			.178			.054
Oct.-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total-----			0			0			0			0			0			0

<sup>2</sup> No record.<sup>3</sup> Total exclusive of amounts of days with no record.



123			130			131			192			Rainfall			
Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Dura- tion	Range in amount over watersheds		Intensity distribution
Cu. ft. per sec. .01	In. per hr. .004	In. .001	Cu. ft. per sec. 0	In. per hr. 0	In. 0	Cu. ft. per sec. 0	In. per hr. 0	In. 0	Cu. ft. per sec. 2.29	In. per hr. .289	In. .033	Hrs. 2	Lowest	Highest	
													In. .25	In. .32	Severe over watershed 113; high over watersheds 107, 130, 192; moderate over all other watersheds.
.02	.018	.003	0	0	0	0	0	0	0	0	0	6	.16	.38	Low over watersheds 107, 113, 192; moderate over watershed 130; high over watersheds 102, 104, 109, 131.
.35	.251	.066	.07	.043	.005	0	0	0	6.97	.879	.260	7	.64	1.01	Severe over watersheds 115, 123, 192; high over all other watersheds.
.09	.072	.010	.02	.012	.001	0	0	0	3.04	.383	.122	5	.36	.50	Severe over watershed 109; high over watersheds 102, 130.
(2)	(2)	.051	.03	.018	.002	0	0	0	6.97	.879	.222	1 1	.24 .17	.39 .47	2 showers; severe over watershed 113; high over watersheds 115, 123, 130, 107, 192; high to moderate over watersheds 102, 104, 109.
1.58	1.14	.317	1.31	.796	.229	0	0	0	12.80	1.61	.537	4 1	.34 .93	.51 1.06	2 showers; second shower high over watersheds 115, 123; severe over all other watersheds.
.40	.290	.037	.04	.026	.003	0	0	0	9.25	1.17	.219	2	.77	.94	Severe over all watersheds.
.02	.011	.002	0	0	0	0	0	0	.97	.122	.014	1	.10	.24	Low over watershed 192; moderate over all other watersheds.
0	0	0	0	0	0	0	0	0	(2)	(2)	(2)	2	.10	.16	Low over watersheds 102, 104, 115, 123, 130; moderate over all other watersheds.
2.32	1.68	.885	2.23	1.36	.808	.19	.085	.070	(2)	(2)	(2)	5	1.47	1.84	Severe over all watersheds.
.02	.015	.008	T	.002	.001	0	0	0	.88	.110	.077	8	.57	.62	Low over all watersheds.
		1.38			1.05			.070			1.48				
0	0	.004	0	0	.001	0	0	0	.82	.103	.021 .028	2 6	.10 .38	.14 .60	Low over all watersheds.
.01	.006	.002	0	0	0	0	0	0	.50	.063	.016	7	.78	.94	Severe over watershed 130; high over watersheds 107, 192; moderate over all other watersheds.
1.97	1.43	.330	.35	.213	.037	0	0	0	9.02	1.14	.263	2 3	.24 .92	.44 1.17	High over all watersheds.
.09	.072	.009	0	0	0	0	0	0	3.29	.415	.066	2	.24	.35	2 showers, second shower severe over all watersheds.
.18	.116	.023	0	0	0	0	0	0	1.29	1.63	.045	4	.44	.61	Moderate over watersheds 102, 104, 113; high over watersheds 109, 107, 192, 131.
0	0	0	0	0	0	0	0	0	0	0	0				Severe over watershed 130; high over watersheds 102, 104, 109, 131; moderate over all other watersheds.
		.368			.038			0			.439				See footnotes covering July 27, record of run-off, watersheds 109 and 115.
.11	.078	.006	0	0	0	0	0	0	1.45	.183	.035	6	.46	1.35	Severe over watershed 109; high over 107, 192; moderate over all other watersheds.
.17	.124	.024	0	0	0	0	0	0	0	0	0	4	.64	.78	Moderate over watershed 130; high over watersheds 109, 113, 107, 192.
0	0	0	0	0	0	0	0	0	3.90	.492	.085				See footnote covering Aug. 19, record of run-off, watershed 192.
0	0	0	0	0	0	0	0	0	0	0	0	5	.24	.31	Severe over watershed 109, moderate over watersheds 107, 130, 192; low over 113, 115, 123.
.09	.072	.008	0	0	0	0	0	0	1.89	.238	.033	2	.22	.41	Severe; centered over watershed 113; high over watersheds 109, 107, 192.
1.42	1.03	.615	0	0	0	0	0	0	5.74	.724	.584	14	2.66	2.72	Moderate; centered over watershed 109; high over watersheds 107, 113, 130, 192
.05	.038	.015	0	0	0	0	0	0	.97	.122	.061	9	.41	.73	Low over watersheds 115, 123; moderate over 102, 104; high over watersheds 113, 107, 130, 192.
.21	.151	.211	.14	.085	.127	T	.002	.008	.94	.118	.199	17	.67	1.34	Moderate over watershed 130, low over all other watersheds.
		.879			.127			.008			.997				
0	0	0	0	0	0	0	0	0	0	0	0				See footnote covering Sept. 7, record of run-off, watershed 115.
0	0	0	0	0	0	0	0	0	.18	.023	.014	3	.19	.47	High over watershed 113; moderate over watersheds 107, 192; low over watersheds 115, 123, 130.
0	0	0	0	0	0	0	0	0	.10	.012	.009	5	.20	.37	Low over all watersheds.
0	0	0	0	0	0	.01	.004	.001	.88	.110	.043	6	.27	.66	High over watersheds 107, 113, 192; moderate over watersheds 115, 123; low over watersheds 109, 130.
0	0	0	0	0	0	0	0	0			.025	6	.22	.41	Low over all watersheds.
		0			0			.001			.091				
0	0	0	0	0	0	0	0	0	0	0	0				
		0			0			0			0				



TABLE 11.—Index of run-off records and daily run-off for watersheds

Date	102			104			107			109			113			115		
	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off
	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>	<i>Cu. ft. per sec.</i>	<i>In. per hr.</i>	<i>In.</i>
Nov.: 1-----	0	0	0	0	0	0	0.01	0.004	0.015	0.07	0.041	0.028	0.24	0.161	0.112	0.07	0.046	0.032
5-----	0	0	0	0	0	0	T	.001	.001	0	0	0	.02	.017	.010	.01	.007	.003
11-----	0	0	0	0	0	0	.05	.019	.059	0	0	0	.07	.046	.024	.02	.012	.009
23-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24-----	0	0	0	0	0	0	.01	.002	.004	0	0	0	0	0	0	0	0	0
26-----	0	0	0	0	0	0	.18	.070	.279	0	0	0	.03	.020	.028	.06	.037	.072
27-----	0	0	0	0	0	0			.022	0	0	0	0	0	0	0	0	0
28-----	0	0	0	0	0	0	.01	.003	.009	0	0	0	0	0	0	0	0	0
30-----	0	0	0	0	0	0			.010	0	0	0	0	0	0	0	0	0
Total-----			0			0			.399			.028			.174			.116
Dec.: 7-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12-----	0	0	0	0	0	0	.05	.019	.042	0	0	0	0	0	0	.01	.004	.001
13-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16-----	0	0	0	0	0	0	.07	.027	.110	0	0	0	0	0	0	.01	.004	.005
18-----	0	0	0	0	0	0	0			0	0	0	0	0	0	0	0	0
25-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26-----	0	0	0	0	0	0	.01	.002	.009	0	0	0	0	0	0	0	0	0
27-----	0	0	0	0	0	0			.038	0	0	0	.03	.020	.010	.01	.006	.004
28-----	0	0	0	0	0	0			.046	0	0	0	0	0	0			
29-----	0	0	0	0	0	0	.21	.080	.283	0	0	0	.02	.017	.018	.06	.037	.073
30-----	0	0	0	0	0	0			.015	( <sup>1</sup> )	( <sup>1</sup> )	.023	0	0	0	0	0	0
31-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total-----			0			0			.543			.023			.028			.090
Total for year-----			.595			.619			5.78			12.18			16.30			8.65

<sup>1</sup> No rate record, daily run-off obtained from silt-box measurements.<sup>2</sup> No record.<sup>3</sup> Total exclusive of amounts on days with no record.



123			130			131			192			Rainfall				
Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Maximum instantaneous rate of run-off		Daily run-off	Dura- tion	Range in amount over watersheds		Intensity distribution	
Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.	Cu. ft. per sec.	In. per hr.	In.	Hrs.	In.	In.		
0	0	0	0	0	0	0	0	0	0.23	0.029	0.064	14	0.58	1.33	Low over watershed 109; moderate over watersheds 107, 113, 115, 123, 192.	
0	0	0	0	0	0	0	0	0	.09	.011	.018	9	.26	.52	Low over all watersheds.	
T	.001	.001	0	0	0	0	0	0	.21	.026	.078	19	.78	.96	Low over watersheds 107, 113, 130, 192; moderate over watersheds 109, 115, 123.	
0	0	0	0	0	0	0	0	0	.02	.002	.009				See footnote covering Nov. 23, record of run-off, watershed 192.	
0	0	0	0	0	0	0	0	0	T	T	.008				See footnotes covering Nov. 24, record of run-off, watersheds 107 and 192.	
.08	.059	.182	.02	.012	.013	0	0	0	.54	.069	.189	14	.63	1.12	Low over all watersheds.	
0	0	0	0	0	0	0	0	0			4.030				See footnotes covering Nov. 27, record of run-off, watersheds 115 and 192.	
0	0	0	0	0	0	0	0	0	0	0	0				See footnote covering Nov. 28, record of run-off, 107.	
0	0	0	0	0	0	0	0	0	0	0	T				See footnote covering Nov. 30 record of run-off, watershed 107.	
		.183			.013			0			.396					
0	0	0	0	0	0	0	0	0	.02	.003	.010				See footnote covering Dec. 7, record of run-off, watershed 192.	
0	0	0	0	0	0	0	0	0	.03	.003	.003				See footnote covering Dec. 8, record of run-off, watershed 192.	
.01	.009	.007	0	0	0	0	0	0	.18	.023	.047	15	.45	.52	Moderate over watershed 130 low over all other watersheds.	
0	0	0	0	0	0	0	0	0	.02	.003	.015				See footnote covering Dec. 13, record of run-off, watershed 192.	
0	0	0	0	0	0	0	0	0	.03	.003	.024				See footnote covering Dec. 14, record of watershed run-off 192.	
.04	.025	.045	0	0	0	0	0	0	.24	.031	.084	9	.33	.60	Low over watersheds 107, 115, 123, 130 192; moderate over all other watersheds.	
0	0	0	0	0	0	0	0	0	.03	.004	.017				See footnote covering Dec. 18, record of run-off, watershed 192.	
0	0	0	0	0	0	0	0	0	.01	.001	.007				See footnote covering Dec. 25, record of run-off, watershed 192.	
0	0	0	0	0	0	0	0	0	0	0	0				See footnote covering Dec. 26 record of run-off, watershed 107.	
0	0	0	0	0	0	0	0	0	.24	.031	.036	8	.22	.45	Moderate over watershed 109 low over all other watersheds.	
.18	.133	.019 323	.03	.018	.045	T	.002	.004	.59	.075	.130	6	.15	.32	Low over all watersheds.	
0	0	0	0	0	0	0	0	0			.081	19	.53	.72	Moderate over watershed 109, low over all other watersheds.	
0	0	0	0	0	0	0	0	0	T	T	.024				See footnotes covering Dec. 30, record of run-off, watersheds 107, 109, and 192.	
0	0	0	0	0	0	0	0	0			.001				See footnote covering Dec. 31, record of run-off, watershed 192.	
		.394			.045			.004			.479					
		7.740			2.638			.274			9.831					



TABLE 12.—Daily run-off for watershed 92, 1940

Day	January	February	March	April	May	June	July	August	September	October	November	December
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
1.....	0.002	0.002	0.038	0.064	0.030	0.068	0.265	0.007	0.044	0.003	0.044	0.057
2.....	.002	.002	.217	.051	.025	.048	.131	.006	.031	.003	.025	.044
3.....	.001	.002	.932	.083	.025	.038	.086	.004	.024	.002	.013	.034
4.....	.001	.062	.384	.091	.021	.027	.062	.004	.019	.002	.010	.033
5.....	.003	.002	.177	.070	.016	.023	.047	.004	.016	.002	.032	.030
6.....	.003	.029	.112	.059	.016	.018	.036	.005	.013	.002	.027	.028
7.....	.002	.023	.078	.057	.018	.019	.030	.004	.011	.005	.020	.040
8.....	.007	.011	.062	.065	.015	.029	.026	.003	.013	.003	.016	.032
9.....	.005	.021	.048	.074	.013	.068	.023	.002	.011	.002	.014	.028
10.....	.005	.272	.039	.049	.010	.139	.019	.002	.015	.002	.014	.025
11.....	.007	.111	.032	.224	.011	.223	.021	.002	.008	.002	.106	.022
12.....	.011	.073	.029	.261	.010	.158	.030	.002	.007	.002	.049	.063
13.....	.015	.055	.030	.159	.010	.135	.015	.002	.006	.002	.034	.071
14.....	.112	.050	.030	.122	.009	.076	.012	.002	.005	.002	.029	.049
15.....	.031	.035	.025	.099	.012	.060	.010	.002	.005	.004	.029	.044
16.....	.016 <sup>1</sup>	.023 <sup>1</sup>	.028	.093	.010	.048	.010	.001	.005	.002	.025	.224
17.....	.013	.023	.044	.076	.011	.036	.009	.001	.003	.002	.026	.112
18.....	.010	.035	.105	.077	.009	.203	.007	.021	.004	.003	.023	.079
19.....	.007	.049	.097	.267	.009	.146	.004	.006	.002	.005	.022	.065
20.....	.007 <sup>1</sup>	.036 <sup>1</sup>	.061	.719	.009	.069	.002	.002	.003	.006	.019	.058
21.....	.007 <sup>1</sup>	.059 <sup>1</sup>	.047	.239	.003	.049	.002	.002	.002	.002	.019	.051
22.....	.007 <sup>1</sup>	.066 <sup>1</sup>	.031	.154	.005	.039	.049	.002	.002	.002	.018	.043
23.....	.006	.043 <sup>1</sup>	.033	.107	.006	.069	.102	.002	.002	.002	.016	.037
24.....	.005 <sup>1</sup>	.042 <sup>1</sup>	.022	.079	.077	.109	.025	.002	.014	.002	.025	.034
25.....	.010 <sup>1</sup>	.035 <sup>1</sup>	.023	.064	.078	.204	.017	.002	.035	.002	.020	.033
26.....	.008	.030	.021	.049	.045	.174	.028	.004	.008	.002	.229	.042
27.....	.005	.028 <sup>1</sup>	.024	.039	.033	.098	.028	.125	.006	.002	.162	.065
28.....	.005	.027	.034	.023	.023	.321	.021	.033	.005	.002	.080	.105
29.....	.003	.026 <sup>1</sup>	.029	.032	.018	.134	.013	.032	.005	.005	.064	.472
30.....	.002	-----	.140	.029	.049	.104	.011	.295	.005	.007	.060	.196
31.....	.002	-----	.110	-----	.105	-----	.009	.074	-----	.002	-----	.126
Total.....	.320	1.212	3.075	3.586	.731	2.932	1.150	.652	.329	.086	1.270	2.339

<sup>1</sup> Total for the year 17.69 inches.TABLE 13.—Daily run-off for watershed 95, 1940<sup>1</sup>

Day	January	February	March	April	May	June	July	August	September	October	November	December
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
1.....	0.002	0.002	0.046	0.070	0.025	0.060	0.194	0.005	0.043	0.005	0.037	0.043
2.....	.002	.002	.214	.055	.025	.044	.090	.004	.029	.005	.023	.033
3.....	.002	.002	.931	.078	.025	.032	.064	.004	.022	.005	.011	.024
4.....	.002	.002	.420	.080	.020	.024	.048	.003	.017	.004	.008	.022
5.....	.002	.002	.176	.054	.018	.012	.037	.002	.013	.002	.026	.022
6.....	.002	.029	.109	.044	.026	.015	.028	.003	.011	.002	.023	.018
7.....	.002	.024	.084	.044	.025	.017	.024	.004	.009	.004	.039	.032
8.....	.002	.013	.063	.087	.018	.032	.020	.002	.012	.004	.012	.023
9.....	.002	.018	.054	.066	.016	.066	.017	.003	.010	.002	.010	.020
10.....	.002	.220	.040	.051	.013	.194	.026	.002	.016	.002	.011	.020
11.....	.002	.132	.033	.234	.012	.287	.021	.002	.009	.002	.096	.017
12.....	.002	.086	.027	.320	.012	.143	.017	.001	.007	.002	.043	.047
13.....	.004	.065	.030	.155	.010	.104	.013	.001	.006	.002	.027	.064
14.....	.157	.045	.031	.117	.010	.066	.011	.003	.006	.002	.024	.042
15.....	.043	.035	.029	.096	.013	.050	.009	.002	.005	.004	.022	.036
16.....	.021	.027	.031	.093	.012	.039	.010	.001	.005	.003	.019	.190
17.....	.015	.025	.047	.077	.011	.030	.008	.001	.005	.002	.019	.093
18.....	.012	.046	.104	.085	.009	.301	.007	.016	.005	.002	.018	.065
19.....	.010	.151	.113	.244	.010	.117	.007	.007	.004	.004	.014	.055
20.....	.009	.155	.068	.808	.009	.060	.005	.002	.004	.005	.014	.049
21.....	.007	.081	.051	.242	.007	.042	.005	.002	.002	.002	.014	.041
22.....	.006	.063	.041	.143	.006	.038	.028	.002	.002	.002	.013	.035
23.....	.004	.050	.032	.102	.008	.074	.125	.002	.002	.002	.012	.029
24.....	.005	.049	.024	.078	.113	.080	.033	.001	.013	.002	.020	.025
25.....	.004	.038	.018	.063	.052	.102	.017	.001	.044	.002	.016	.024
26.....	.004	.031	.021	.049	.028	.087	.017	.003	.008	.002	.192	.033
27.....	.002	.028	.024	.039	.021	.054	.020	.186	.007	.002	.147	.052
28.....	.002	.028	.027	.034	.018	.424	.014	.046	.005	.002	.070	.089
29.....	.002	.028	.027	.031	.019	.119	.009	.041	.005	.002	.053	.374
30.....	.002	-----	.146	.030	.113	.082	.008	.366	.005	.006	.046	.185
31.....	.002	-----	.118	-----	.114	-----	.006	.090	-----	.002	-----	.115
Total.....	.335	1.477	3.179	3.669	.818	2.795	.938	.808	.331	.089	1.079	1.917

<sup>1</sup> Total for the year 17.44 inches.



TABLE 14.—Daily run-off for watershed 97, 1940<sup>1</sup>

Day	January	February	March	April	May	June	July	August	September	October	November	December
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
1	0.002	0.003	0.058	0.064	0.026	0.058	0.210	0.005	0.050	0.005	0.040	0.047
2	.001	.003	.228	.049	.024	.042	.083	.005	.033	.005	.029	.035
3	.001	.003	.954	.067	.023	.032	.056	.003	.025	.005	.013	.028
4	.001	.003	.457	.067	.020	.026	.042	.002	.018	.005	.011	.025
5	.001	.003	.177	.044	.017	.021	.033	.002	.014	.004	.027	.026
6	.001	.038	.109	.036	.042	.018	.029	.004	.014	.002	.028	.022
7	.001	.035	.077	.038	.035	.017	.022	.004	.012	.004	.019	.035
8	.001	.017	.060	.078	.022	.029	.019	.003	.016	.005	.015	.026
9	.001	.020	.049	.057	.018	.049	.017	.003	.012	.002	.013	.024
10	.001	.266	.039	.044	.016	.255	.016	.002	.019	.002	.012	.022
11	.002	.161	.032	.260	.014	.393	.020	.003	.010	.002	.118	.019
12	.003	.090	.026	.337	.013	.163	.019	.002	.010	.002	.051	.049
13	.005	.065	.031	.159	.012	.104	.013	T	.007	.002	.033	.067
14	.180	.042	.031	.107	.011	.057	.012	.005	.007	.002	.026	.043
15	.048	.036	.026	.088	.014	.043	.009	.003	.005	.003	.025	.037
16	.024	.027	.028	.082	.013	.034	.010	.002	.005	.004	.023	.223
17	.019	.026	.042	.068	.012	.028	.007	.002	.005	.002	.022	.103
18	.015	.054	.096	.078	.010	.351	.006	.016	.005	.002	.021	.065
19	.015	.192	.112	.281	.011	.133	.006	.013	.005	.004	.018	.052
20	.012	.198	.062	.108	.011	.057	.005	.003	.005	.007	.017	.046
21	.010	.105	.046	.277	.008	.039	.004	.002	.005	.005	.016	.039
22	.008	.063	.040	.148	.007	.034	.019	.002	.002	.002	.014	.035
23	.007	.050	.029	.092	.007	.080	.154	.003	.002	.002	.015	.030
24	.006	.048	.025	.068	.164	.087	.041	.002	.005	.002	.023	.028
25	.005	.041	.021	.053	.057	.075	.021	.001	.048	.002	.018	.026
26	.005	.031	.018	.045	.031	.066	.025	.007	.010	.002	.252	.036
27	.004	.031	.023	.037	.023	.042	.024	.329	.007	.002	.179	.056
28	.004	.031	.028	.032	.019	.609	.016	.081	.005	.002	.071	.099
29	.004	.033	.028	.028	.020	.131	.010	.086	.005	.003	.052	.466
30	.004		.152	.026	.117	.082	.009	.545	.005	.007	.048	.231
31	.004		.124		.127		.006	.116		.004		.129
Total	.395	1.715	3.228	2.918	.944	3.155	.963	1.256	.371	.102	1.249	2.169

<sup>1</sup> Total for the year 18.46 inches.TABLE 15.—Daily run-off for watershed 10, 1940<sup>1</sup>

Day	March	April	May	June	July	August	September	October	November	December
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
1		0.032	0.005	0.014	0.142	0.001	0.011	T	0.009	0.015
2		.024	.005	.009	.042	.001	.006	T	.004	.008
3		.046	.005	.005	.025	.001	.003	T	.002	.007
4		.040	.004	.005	.018	.001	.002	T	.002	.007
5		.019	.002	.005	.012	.001	.002	T	.006	.007
6		.012	.005	.005	.007	T	.001	0.001	.005	.007
7		.018	.004	.002	.005	.001	.001	.001	.004	.012
8		.052	.004	.016	.004	.001	T	T	.002	.005
9		.026	.002	.039	.002	.001	.001	T	.002	.004
10		.016	.002	.199	.002	.001	.004	T	.002	.002
11		.268	.002	.306	.014	.001	.001	T	.047	.002
12		.204	.002	.085	.005	.001	.001	T	.009	.031
13		.083	.002	.041	.002	T	.001	T	.005	.022
14		.057	.002	.020	.002	.001	T	.001	.005	.011
15		.049	.002	.014	.001	.001	.001	.002	.005	.010
16	0.013	.044	.002	.011	0	.001	.001	.002	.005	.171
17	.025	.034	.002	.010	0	.001	.001	.002	.005	.050
18	.086	.041	.002	.343	0	.004	.001	.002	.005	.028
19	.072	.390	.002	.070	0	.001	T	.002	.005	.023
20	.034	.672	.002	.024	0	.001	.001	.005	.005	.018
21	.025	.147	.002	.014	0	T	.001	.004	.005	.015
22	.020	.067	.002	.011	.002	.001	.001	.002	.005	.010
23	.012	.041	.002	.068	.115	.001	.001	.002	.005	.008
24	.013	.026	.104	.041	.012	T	.011	T	.005	.007
25	.014	.021	.018	.036	.003	.001	.019	T	.005	.014
26	.014	.015	.007	.026	.002	T	T	T	.190	.007
27	.014	.010	.005	.013	.004	.159	T	T	.073	.034
28	.015	.007	.005	.327	.001	.007	T	T	.026	.055
29	.014	.005	.008	.061	.001	.022	T	T	.019	.333
30	.123	.005	.095	.053	T	.290	T	T	.019	.121
31	.066		.048		.001	.034		.001		.037
Total	.560	2.471	.354	1.873	.424	.536	.072	.027	.486	1.082

<sup>1</sup> Record prior to March 16 poor because of ice.



TABLE 16.—Daily run-off for watershed 20, 1940 <sup>1</sup>

Day	January	February	March	April	May	June	July	August	September	October	November	December
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
1.....	0.002	0.002	0.057	0.048	0.022	0.043	0.172	0.002	0.042	0.002	0.044	0.035
2.....	.002	.002	.369	.038	.012	.032	.052	.002	.027	.002	.020	.027
3.....	.002	.002	1.069	.047	.020	.022	.041	.001	.021	.002	.009	.026
4.....	.002	.002	.310	.041	.017	.018	.031	0	.016	.002	.007	.026
5.....	.002	.002	.105	.029	.013	.014	.031	0	.012	.002	.024	.022
6.....	.002	.039	.069	.023	.051	.011	.024	.002	.011	.002	.018	.020
7.....	.002	.015	.053	.028	.027	.011	.021	.002	.008	.002	.012	.029
8.....	.002	.008	.043	.064	.015	.016	.020	0	.017	.002	.009	.022
9.....	.002	.024	.036	.043	.011	.015	.019	0	.011	.002	.007	.020
10.....	.002	.374	.028	.033	.011	.265	.020	0	.019	.002	.007	.021
11.....	.003	.098	.023	.475	.008	.253	.022	0	.009	.002	.118	.019
12.....	.003	.071	.021	.259	.007	.090	.017	0	.007	.002	.038	.057
13.....	.005	.047	.024	.106	.007	.060	.012	0	.007	.002	.024	.048
14.....	.242	.041	.025	.074	.006	.038	.013	.013	.006	.002	.019	.032
15.....	.036	.029	.021	.064	.009	.030	.011	.003	.007	.002	.020	.029
16.....	.018	.022	.023	.060	.008	.032	.007	.001	.007	.002	.017	.191
17.....	.011	.024	.042	.055	.007	.019	.004	0	.007	.002	.018	.061
18.....	.008	.056	.078	.057	.006	.395	.004	.026	.007	.002	.016	.046
19.....	.007	.206	.066	.562	.006	.076	.003	.004	.006	.002	.014	.038
20.....	.005	.144	.043	1.072	.006	.037	.002	.002	.005	.003	.012	.036
21.....	.005	.074	.035	.195	.005	.027	.002	.001	.004	.002	.012	.029
22.....	.005	.047	.029	.092	.004	.023	.007	0	.002	.002	.011	.026
23.....	.002	.038	.022	.064	.005	.093	.056	0	.002	.002	.010	.022
24.....	.002	.038	.010	.048	.166	.047	.018	0	.005	.002	.018	.022
25.....	.002	.031	.018	.039	.038	.029	.010	0	.027	.003	.014	.022
26.....	.002	.023	.015	.034	.021	.029	.033	.010	.005	.002	.407	.031
27.....	.002	.023	.020	.031	.015	.022	.013	.542	.005	.002	.111	.058
28.....	.002	.024	.023	.027	.011	.890	.006	.057	.005	.002	.050	.083
29.....	.002	.031	.022	.024	.015	.084	.005	.135	.005	.003	.042	.603
30.....	.002	-----	.193	.022	.107	.064	.003	.761	.002	.003	.041	.167
31.....	.002	-----	.086	-----	.077	-----	.002	.081	-----	.002	-----	.087
Total.....	.386	1.537	2.978	3.754	.733	2.785	.681	1.645	.314	.066	1.169	1.955

<sup>1</sup> Total for the year 18.00 inches.TABLE 17.—Daily run-off for watershed 177, 1940 <sup>1</sup>

Day	January	February	March	April	May	June	July	August	September	October	November	December
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
1.....	0	0	0.036	0.040	0.010	0.036	0.131	0	0.053	0	T	0.036
2.....	0	0	.268	.036	.009	.028	.045	0	.037	0	0	.022
3.....	0	0	.834	.040	.009	.022	.044	0	.025	0	0	.017
4.....	0	0	.275	.028	.004	.016	.035	0	.016	0	0	.017
5.....	0	0	.108	.019	.002	.010	.024	0	.010	0	T	.017
6.....	0	0	.056	.016	.037	.007	.016	T	.007	0	.002	.016
7.....	0	0	.034	.021	.006	.008	.013	0	.004	0	.002	.024
8.....	0	0	.022	.036	.001	.009	.008	0	.016	0	.001	.018
9.....	0	.035	.015	.019	T	.012	.010	0	.005	0	T	.012
10.....	0	.269	.010	.014	0	.139	.007	0	.015	0	T	.010
11.....	0	.072	.005	.268	0	.081	.015	0	.002	0	.087	.007
12.....	0	.117	.003	.167	0	.145	.007	0	.002	0	.017	.052
13.....	0	.057	.004	.127	0	.051	.003	0	T	0	.012	.031
14.....	0	.034	.002	.084	0	.043	.002	.036	0	0	.010	.024
15.....	0	.020	.002	.076	T	.037	.001	T	0	0	.011	.024
16.....	0	.012	.001	.057	0	.027	.002	0	0	0	.008	.136
17.....	0	.014	.013	.046	0	.021	0	0	0	0	.009	.060
18.....	0	.024	.022	.048	0	.432	0	.046	0	0	.006	.055
19.....	0	.101	.008	.483	0	.054	0	.001	0	0	.005	.048
20.....	0	.060	.006	.708	0	.039	0	0	0	0	.002	.041
21.....	0	.044	.005	.249	0	.030	0	0	0	0	.002	.031
22.....	0	.026	.003	.118	0	.026	.032	0	0	0	.002	.023
23.....	0	.026	.003	.080	T	.142	.312	0	0	0	.003	.020
24.....	0	.019	.002	.052	.050	.035	.033	0	.002	0	.009	.018
25.....	0	.018	.004	.034	.013	.026	.006	T	.011	0	.004	.017
26.....	0	.019	.005	.025	.007	.028	.060	.006	T	0	.192	.026
27.....	0	.018	.010	.019	.004	.014	.007	.636	0	0	.096	.054
28.....	0	.016	.013	.014	.002	.827	.001	.026	0	0	.062	.077
29.....	0	.010	.010	.010	.011	.097	0	.075	0	0	.050	.326
30.....	0	-----	.118	.008	.097	.097	0	.316	0	0	.052	.173
31.....	0	-----	.048	-----	.051	-----	0	.084	-----	0	-----	.112
Total.....	0	1.011	1.945	2.942	.313	2.539	.814	1.226	.205	0	.644	1.544

<sup>1</sup> Total for the year 13.16 inches.



TABLE 18.—Daily run-off for watershed 196, 1940

Day	January	February	March	April	May	June	July	August	September	October	November	December
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
1.....	0.005	0.001	0.078	.0071	0.067	0.115	0.252	0.004	0.041	0.005	0.078	0.047
2.....	.005	.001	.427	.060	.046	.080	.127	.003	.026	.005	.022	.034
3.....	.005	.001	.934	.057	.028	.058	.094	.003	.018	.005	.010	.026
4.....	.005	.002	.377	.054	.022	.037	.069	.002	.013	.005	.008	.021
5.....	.005	.002	.154	.042	.018	.022	.050	.003	.011	.005	.035	.026
6.....	.005	.050	.103	.035	.054	.018	.038	.005	.011	.005	.020	.022
7.....	.005	.033	.076	.035	.045	.018	.028	.004	.009	.006	.013	.040
8.....	.005	.017	.063	.058	.026	.025	.020	.003	.028	.005	.012	.025
9.....	.005	.046	.052	.050	.022	.023	.015	.002	.011	.004	.010	.021
10.....	.005	.401	.039	.038	.018	.071	.013	.002	.026	.004	.010	.020
11.....	.005	.138	.032	.042	.015	.083	.027	.002	.008	.005	.136	.017
12.....	.005	.148	.028	.206	.014	.160	.014	.002	.007	.005	.046	.082
13.....	.010	.070	.034	.151	.014	.124	.011	.002	.006	.005	.031	.068
14.....	.294	.049	.034	.116	.012	.065	.010	.030	.005	.005	.025	.044
15.....	.052	.040	.026	.096	.017	.063	.009	.005	.005	.005	.024	.038
16.....	.028	.032	.028	.096	.014	.059	.008	.002	.005	.004	.021	.217
17.....	.023	.035	.070	.076	.012	.058	.005	.002	.005	.006	.023	.084
18.....	.016	.066	.122	.081	.011	.217	.005	.002	.005	.005	.020	.064
19.....	.012	.210	.081	.316	.015	.103	.005	.002	.005	.007	.016	.057
20.....	.010	.161	.059	.835	.012	.051	.005	.003	.005	.006	.015	.051
21.....	.008	.097	.050	.271	.011	.037	.005	.002	.005	.005	.014	.040
22.....	.007	.065	.040	.176	.009	.034	.041	.002	.005	.005	.013	.036
23.....	.007	.058	.031	.137	.010	.104	.126	.003	.005	.005	.013	.030
24.....	.007	.055	.030	.124	.266	.068	.041	.002	.024	.005	.026	.028
25.....	.010	.042	.021	.115	.082	.043	.014	.003	.048	.005	.016	.027
26.....	.004	.036	.021	.096	.050	.043	.036	.039	.006	.005	.292	.046
27.....	.002	.034	.029	.083	.046	.033	.012	.376	.005	.005	.160	.082
28.....	.001	.036	.034	.076	.047	.400	.006	.044	.005	.005	.072	.123
29.....	0	.034	.075	.045	.045	.141	.006	.104	.005	.007	.056	.482
30.....	0	.206	.072	.139	.139	.132	.004	.429	.005	.006	.052	.202
31.....	.001	.112	.182	.182	.182	.004	.082	.082	.005	.005	.127	.127
Total.....	0.552	1.967	3.425	3.740	1.369	2.485	1.100	1.169	.363	.160	1.289	2.705

TABLE 19.—Run-off from watershed 92, 1940

LOCATION: Latitude 40°24'08'', longitude 81°47'41''.

## PHYSICAL CHARACTERISTICS:

*Drainage area.*—1.44 square miles (920 acres).*Length of principal watercourse.*—9,500 feet.*Topography.*—The area is highly dissected and well drained and has steep slopes of moderate length. Aspect is to the south. The stream divides, at a point less than one-fourth mile above the gaging station, into two main channels of approximately equal drainage area.*Slope.*—The average slope on this watershed has not been determined. In general the valleys are narrow and have high gradients. Five percent of the watershed has a slope of less than 6 percent; 20 percent, 6 to 10 percent; 55 percent, 10 to 20 percent; and 20 percent has a slope of 20 percent or more.*Erosion condition.*—There are occasional gullies more than 100 feet apart on 2 percent of the area, frequent gullies less than 100 feet apart on 5 acres, and land slips on 1 percent of the drainage area, all estimated. Three acres have been so dissected by large and frequent gullies as to be unfit for agricultural use. Less than 25 percent of the topsoil has been removed from 10 percent of the watershed, 25 to 50 percent from 37 percent, 50 to 75 percent from 30 percent, and over 75 percent from 5 percent of the watershed. There has been no erosion on 17 percent of the area.*Soil.*—Coshocton silt loam is the predominant soil on this watershed. It occupies approximately 18 percent of the area.

## LAND USE AND VEGETAL COVER:

*Land use.*—Mixed cover, conservation practices on part of the area.*Vegetal cover and soil condition.*—See table 10.

## MEASUREMENTS:

*Precipitation.*—Rainfall was measured at 3 recording rain gages, 1, 7, and 8, and 5 nonrecording rain gages, 2, 3, 4, 5, and 9 (fig. 1). Snowfall was measured in the nonrecording gages supplemented by snow boards. Snow inventory on the watershed was based on surveys and observations made on typical areas near project headquarters.*Run-off.*—Run-off was measured by current-meter station with Columbus deep-notch weir control. Records of run-off are excellent. The rating curve was established from 26 discharge measurements, all made at gage heights of less than 2.2 feet. The upper limit of dependability for the rating is approximately 100 c. f. s.*Soil loss.*—Records of soil loss were not obtained.*Changes in instrumentation during year.*—None.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, SEPTEMBER 1936 TO DECEMBER 1940:

*Rainfall.*—Total precipitation for the year 1940, 45.68 inches; average annual precipitation for period of record, 41.82 inches.*Run-off.*—Annual run-off amount 1940, 17.69 inches; maximum rate of run-off for period of record, 0.295 inch per hour, July 16, 1937; maximum rate of run-off 1940, 0.148 inch per hour, Apr. 20.



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Jan. 1				Jan. 8				Jan. 14				Jan. 15			
p. m.				p. m.				a. m.				a. m.			
12:00	0.06	0.0001	0.0024	3:00	0.22	0.0002	0.0040	1:00	0.74	0.0008	0.0008	12:20	2.19	0.0024	0.0008
Jan. 2				4:20	.24	.0003	.0044	3:00	.78	.0008	.0024	4:00	2.10	.0023	.0016
p. m.				5:00	.23	.0002	.0045	5:00	.81	.0009	.0042	1:00	2.10	.0023	.0032
12:00	.06	.0001	.0024	7:00	.26	.0003	.0051	6:20	.86	.0009	.0054	:20	2.01	.0022	.0039
Jan. 3				10:20	.26	.0003	.0061	:40	.91	.0010	.0057	:40	1.93	.0021	.0046
p. m.				12:00	.26	.0003	.0066	7:00	.95	.0010	.0060	2:00	1.93	.0021	.0053
12:00	.04	T	.0013	Jan. 9				:20	1.00	.0011	.0063	:20	1.93	.0021	.0060
Jan. 4				a. m.				:40	1.10	.0012	.0067	:40	1.85	.0020	.0067
p. m.				2:20	.24	.0003	.0007	8:00	1.30	.0014	.0069	3:00	1.77	.0019	.0073
4:00	.04	T	.0002	7:00	.24	.0003	.0021	:20	1.70	.0018	.0074	:40	1.70	.0018	.0085
5:40	.04	.0001	.0003	10:00	.19	.0002	.0027	:30	2.28	.0025	.0077	4:00	1.63	.0018	.0091
7:20	.06	.0001	.0005	:30	.18	.0002	.0028	:40	3.02	.0033	.0082	5:00	1.56	.0017	.0108
9:00	.06	.0001	.0007	11:40	.18	.0002	.0030	:50	3.67	.0040	.0088	6:00	1.49	.0016	.0124
10:20	.07	.0001	.0009	p. m.				9:00	4.31	.0047	.0095	7:00	1.42	.0015	.0139
:40	.06	.0001	.0010	1:40	.15	.0001	.0032	:05	4.84	.0052	.0099	8:00	1.30	.0014	.0153
12:00	.06	.0001	.0010	4:00	.19	.0002	.0036	:10	5.78	.0062	.0104	9:00	1.25	.0014	.0167
Jan. 5				5:00	.20	.0002	.0038	:15	6.41	.0069	.0109	10:00	1.20	.0013	.0180
a. m.				6:40	.22	.0002	.0041	:20	7.33	.0079	.0115	11:00	1.20	.0013	.0193
2:20	.09	.0001	.0002	12:00	.16	.0002	.0052	:25	7.81	.0084	.0122	p. m.			
3:30	.09	.0001	.0003	Jan. 10				:30	7.56	.0082	.0129	1:00	1.15	.0012	.0217
5:40	.10	.0001	.0004	a. m.				:40	8.82	.0095	.0144	2:00	1.15	.0012	.0229
7:00	.12	.0001	.0005	3:00	.16	.0002	.0006	:48	8.56	.0092	.0156	3:00	1.10	.0012	.0241
8:10	.13	.0001	.0006	4:40	.18	.0002	.0008	:50	8.82	.0095	.0159	5:40	1.00	.0011	.0260
9:20	.14	.0001	.0007	6:00	.19	.0002	.0012	10:00	8.56	.0092	.0175	7:20	.91	.0010	.0276
10:40	.14	.0001	.0008	8:00	.19	.0002	.0016	:10	9.10	.0098	.0191	8:00	.81	.0009	.0282
p. m.				10:00	.18	.0002	.0020	:20	10.2	.0110	.0208	9:00	.78	.0008	.0290
1:50	.12	.0001	.0011	12:00	.16	.0002	.0024	:30	12.1	.0131	.0228	:20	.70	.0008	.0293
2:20	.13	.0001	.0012	p. m.				:40	14.6	.0158	.0252	:40	.74	.0008	.0296
3:20	.16	.0002	.0014	1:40	.18	.0002	.0026	:48	13.9	.0150	.0265	:45	.78	.0008	.0297
4:44	.22	.0002	.0017	3:00	.19	.0002	.0028	:50	14.2	.0153	.0275	10:20	.74	.0008	.0302
7:40	.24	.0003	.0023	4:00	.20	.0002	.0030	11:00	13.5	.0146	.0304	:40	.67	.0007	.0305
9:40	.19	.0002	.0029	5:00	.22	.0002	.0041	:08	13.1	.0141	.0323	11:00	.63	.0007	.0307
11:00	.14	.0001	.0030	6:40	.23	.0002	.0042	:10	12.8	.0138	.0328	12:00	.63	.0007	.0314
12:00	.13	.0001	.0031	12:00	.23	.0002	.0046	:16	13.5	.0146	.0342	Jan. 16			
Jan. 6				Jan. 11				:20	13.1	.0141	.0352	a. m.			
a. m.				a. m.				:30	13.5	.0146	.0376	12:20	.63	.0007	.0002
12:40	.12	.0001	.0001	6:00	.24	.0003	.0012	:40	13.1	.0141	.0400	1:00	.67	.0007	.0007
4:20	.12	.0001	.0004	7:20	.26	.0003	.0016	12:00	12.8	.0138	.0446	:40	.70	.0008	.0012
5:20	.13	.0001	.0005	9:40	.27	.0003	.0023	p. m.				4:40	.74	.0008	.0036
6:20	.16	.0002	.0006	12:00	.29	.0003	.0030	12:25	12.4	.0134	.0457	6:00	.70	.0008	.0047
8:40	.22	.0002	.0011	p. m.				:28	10.5	.0113	.0463	7:00	.67	.0007	.0054
9:40	.23	.0002	.0013	2:00	.31	.0003	.0036	:30	12.4	.0134	.0467	8:20	.63	.0007	.0063
12:00	.19	.0002	.0018	3:40	.31	.0003	.0041	:40	12.1	.0131	.0489	9:20	.67	.0007	.0070
p. m.				5:00	.33	.0004	.0046	:45	11.7	.0126	.0500	:40	.70	.0008	.0073
3:20	.14	.0001	.0025	6:40	.35	.0004	.0053	:48	9.10	.0098	.0506	10:00	.74	.0008	.0075
6:20	.11	.0001	.0028	9:00	.37	.0004	.0062	:50	11.7	.0126	.0510	:20	.78	.0008	.0078
8:00	.09	.0001	.0030	12:00	.39	.0004	.0074	:58	13.1	.0141	.0528	:40	.86	.0009	.0081
9:20	.09	.0001	.0031	Jan. 12				1:00	11.7	.0126	.0532	11:00	.91	.0010	.0084
12:00	.09	.0001	.0034	a. m.				:10	10.8	.0117	.0571	:20	.86	.0009	.0087
Jan. 7				4:00	.46	.0005	.0068	:25	10.5	.0113	.0581	:40	.86	.0009	.0090
a. m.				7:00	.48	.0005	.0083	:30	11.7	.0126	.0591	12:00	.81	.0009	.0093
12:36	.09	.0001	.0001	9:00	.42	.0004	.0038	:40	10.8	.0117	.0611	p. m.			
2:40	.06	.0001	.0003	12:00	.44	.0005	.0048	:50	9.66	.0104	.0628	12:20	.70	.0008	.0096
4:20	.06	.0001	.0005	p. m.				:52	9.94	.0107	.0631	:40	.70	.0008	.0099
6:40	.04	T	.0007	4:00	.46	.0005	.0068	2:00	9.38	.0101	.0645	1:00	.67	.0007	.0101
8:00	.04	T	.0007	7:00	.51	.0006	.0083	:17	8.56	.0092	.0672	:20	.63	.0007	.0103
9:00	.06	.0001	.0008	9:00	.54	.0006	.0095	:20	7.81	.0084	.0692	:40	.60	.0006	.0105
10:40	.09	.0001	.0009	12:00	.54	.0006	.0113	:30	8.06	.0087	.0706	2:20	.57	.0006	.0107
11:24	.12	.0001	.0010	Jan. 13				:40	7.56	.0082	.0734	3:00	.54	.0006	.0111
12:00	.10	.0001	.0011	a. m.				:48	7.10	.0077	.0761	5:00	.54	.0006	.0123
p. m.				4:00	.57	.0006	.0075	:50	6.64	.0072	.0787	6:20	.51	.0006	.0131
12:40	.09	.0001	.0012	7:00	.51	.0006	.0083	:52	6.41	.0069	.0810	7:00	.51	.0006	.0135
1:20	.07	.0001	.0013	9:00	.54	.0006	.0095	2:00	5.99	.0065	.0832	8:00	.48	.0005	.0140
4:00	.08	.0001	.0016	12:00	.60	.0006	.0067	:17	5.58	.0060	.0853	:10	.46	.0005	.0141
6:40	.11	.0001	.0019	p. m.				:20	5.02	.0054	.0872	10:10	.46	.0005	.0151
9:00	.14	.0001	.0021	12:40	.57	.0006	.0075	:30	4.84	.0052	.0890	:12	.48	.0005	.0151
10:40	.18	.0002	.0024	2:20	.57	.0006	.0085	:40	4.48	.0048	.0907	12:00	.48	.0005	.0160
Jan. 8				4:00	.60	.0006	.0095	:48	4.31	.0047	.0922	Jan. 17			
a. m.				5:00	.60	.0006	.0101	:50	3.99	.0043	.0937	a. m.			
12:20	.22	.0002	.0003	6:00	.60	.0006	.0107	6:00	3.83	.0041	.0951	2:20	.48	.0005	.0012
7:00	.24	.0003	.0024	7:00	.60	.0006	.0113	:20	3.67	.0040	.0964	:25	.46	.0005	.0017
				8:40	.67	.0007	.0125	:30	3.41	.0037	.0976	3:20	.46	.0005	.0019
				10:00	.70	.0008	.0135	:40	3.28	.0035	.0988	:40	.48	.0005	.0027
				12:00	.74	.0008	.0151	:50	3.15	.0034	.0999	5:20	.48	.0005	.0029
								:58	3.02	.0033	.1010	:40	.46	.0005	.0034
								9:00	2.91	.0031	.1021	6:40	.44	.0005	.0046
								:20	2.80	.0030	.1031	9:20	.48	.0005	.0046
								:25	2.91	.0031	.1044	p. m.			
								:30	2.91	.0031	.1047	3:20	.48	.0005	.0076
								10:00	2.80	.0030	.1062	6:00	.44	.0005	.0089
								:20	2.69	.0029	.1072	7:00	.37	.0004	.0093
								:40	2.58	.0028	.1081	8:20	.39	.0004	.0098
								:50	2.47	.0027	.1090	9:20	.44	.0005	.0103
								11:00	2.37	.0026	.1099	10:40	.44	.0005	.0120
								:20	2.28	.0025	.1116	12:00	.39	.0004	.0125



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-feet	Inches per hour			Second-feet	Inches per hour			Second-feet	Inches per hour			Second-feet	Inches per hour	
Jan. 18				June 26				Jan. 30				Feb. 7			
a. m.				a. m.				p. m.				a. m.			
1:20-----	0.37	0.0005	0.0007	7:00-----	0.20	0.0002	0.0024	12:00-----	0.14	0.0001	0.0024	1:00-----	1.77	0.0019	0.0015
10:00-----	.37	.0005	.0050	:20-----	.24	.0003						2:00-----	1.63	.0018	.0033
p. m.				:40-----	.29	.0003	.0025	Jan. 31				3:00-----	1.49	.0018	.0050
1:00-----	.35	.0004	.0062	8:00-----	.33	.0004	.0026	p. m.				4:00-----	1.36	.0015	.0066
4:20-----	.35	.0004	.0075	:20-----	.37	.0004	.0027	12:00-----	.13	.0001	.0024	5:00-----	1.25	.0014	.0080
7:00-----	.31	.0003	.0085	:40-----	.44	.0005	.0028					6:00-----	1.15	.0012	.0093
8:00-----	.29	.0003	.0088	9:00-----	.48	.0005	.0030	Feb. 1				7:00-----	1.05	.0011	.0104
9:40-----	.29	.0003	.0093	:20-----	.57	.0006	.0032	p. m.				8:00-----	1.00	.0011	.0115
12:00-----	.27	.0003	.0100	:40-----	.63	.0007	.0034	12:00-----	.12	.0001	.0024	9:00-----	.91	.0010	.0126
Jan. 19				10:00-----	.67	.0007	.0036					10:00-----	.81	.0009	.0136
a. m.				11:00-----	.67	.0007	.0043	Feb. 2				:20-----	.78	.0008	.0139
1:20-----	.24	.0003	.0002	:20-----	.63	.0007	.0045	p. m.				12:00-----	.74	.0008	.0152
p. m.				:40-----	.60	.0006	.0047								
12:00-----	.24	.0003	.0070	12:00-----	.54	.0006	.0049	2:00-----	.12	.0001	.0014	2:00-----	.74	.0008	.0168
Jan. 20				p. m.				4:00-----	.12	.0001	.0016	4:00-----	.67	.0007	.0182
p. m.				:30-----	.37	.0004	.0052	6:00-----	.11	.0001	.0018	5:00-----	.67	.0007	.0189
12:00-----	.26	.0003	.0072	:40-----	.31	.0003	.0053	12:00-----	.11	.0001	.0024	7:00-----	.60	.0006	.0201
Jan. 21				:50-----	.24	.0003	.0054	Feb. 3				9:20-----	.54	.0006	.0215
p. m.				1:00-----	.22	.0002	.0055	a. m.				11:00-----	.51	.0006	.0225
12:00-----	.26	.0003	.0072	:10-----	.20	.0002		5:00-----	.10	.0001	.0005	12:00-----	.48	.0005	.0231
Jan. 22				:20-----	.24	.0003		12:00-----	.11	.0001	.0012	Feb. 8			
p. m.				:40-----	.26	.0007	.0057					a. m.			
12:00-----	.26	.0003	.0072	2:00-----	.24	.0003	.0059	3:00-----	.09	.0001	.0015	2:00-----	.46	.0005	.0010
Jan. 23				3:00-----	.20	.0002	.0061	12:00-----	.09	.0001	.0024	4:00-----	.44	.0005	.0020
p. m.				4:00-----	.22	.0002	.0063					6:00-----	.42	.0004	.0030
12:00-----	.24	.0003	.0072	:30-----	.19	.0002	.0064	Feb. 4				8:00-----	.39	.0004	.0038
Jan. 24				5:00-----	.19	.0002	.0065	a. m.				p. m.			
p. m.				8:40-----	.19	.0002	.0072	3:00-----	.09	.0001	.0003	1:00-----	.39	.0004	.0058
12:00-----	.24	.0003	.0072	9:00-----	.18	.0002	.0073	6:00-----	.09	.0001	.0006	3:00-----	.42	.0004	.0066
Jan. 25				10:00-----	.16	.0002	.0075	9:00-----	.09	.0001	.0009	4:20-----	.44	.0005	.0071
a. m.				:40-----	.18	.0002	.0076					6:00-----	.46	.0005	.0079
12:00-----	.24	.0003	.0072	11:00-----	.18	.0002	.0077	p. m.				:50-----	.46	.0005	.0083
Jan. 26				12:00-----	.20	.0002	.0079	3:20-----	.10	.0001	.0015	7:00-----	.35	.0004	.0084
a. m.				Jan. 27				4:00-----	.11	.0001	.0016	:10-----	.39	.0004	.0085
8:00-----	.24	.0003	.0024	a. m.				6:00-----	.09	.0001	.0003	:40-----	.44	.0005	.0088
12:00-----	.23	.0002	.0032	1:00-----	.23	.0002	.0002	9:00-----	.09	.0001	.0009	8:00-----	.44	.0005	.0090
p. m.				2:00-----	.24	.0003	.0004	Feb. 5				:15-----	.46	.0005	.0091
6:00-----	.22	.0002	.0044	3:00-----	.24	.0003	.0007	a. m.				:30-----	.44	.0005	.0092
9:00-----	.22	.0002	.0050	4:00-----	.30	.0002	.0010	4:00-----	.10	.0001	.0004	9:30-----	.42	.0004	.0097
12:00-----	.20	.0002	.0056	5:00-----	.22	.0002	.0012	p. m.				12:00-----	.42	.0004	.0107
Jan. 27				6:00-----	.19	.0002	.0014	3:20-----	.10	.0001	.0015	Feb. 9			
a. m.				7:00-----	.18	.0002	.0016	4:00-----	.11	.0001	.0016	a. m.			
8:00-----	.24	.0003	.0039	8:00-----	.16	.0002	.0018	12:00-----	.11	.0001	.0024	6:00-----	.42	.0004	.0024
12:00-----	.24	.0003	.0072	9:00-----	.14	.0001	.0020	Feb. 6				8:00-----	.39	.0004	.0032
Jan. 28				10:00-----	.13	.0001	.0021	a. m.				11:00-----	.39	.0004	.0044
a. m.				12:00-----	.14	.0001	.0023	6:00-----	.11	.0001	.0006	p. m.			
5:00-----	.19	.0002	.0010	p. m.				7:00-----	.11	.0001	.0001	12:40-----	.39	.0004	.0051
10:00-----	.18	.0002	.0020	2:00-----	.14	.0001	.0025	:35-----	.11	.0001	.0001	1:00-----	.42	.0004	.0052
p. m.				3:00-----	.19	.0002	.0027	8:00-----	.12	.0001	.0008	2:00-----	.44	.0005	.0057
12:40-----	.16	.0002	.0025	4:00-----	.22	.0002	.0029	:30-----	.11	.0001		:20-----	.44	.0005	.0059
3:00-----	.16	.0002	.0030	5:00-----	.23	.0002	.0031	9:00-----	.12	.0001	.0009	3:00-----	.51	.0006	.0063
:40-----	.18	.0002	.0031	6:00-----	.23	.0002	.0033	:20-----	.12	.0001		:30-----	.60	.0006	.0066
4:20-----	.19	.0002	.0032	7:00-----	.22	.0002	.0035	10:00-----	.15	.0002	.0009	4:00-----	.63	.0007	.0070
5:20-----	.20	.0002	.0034	8:00-----	.18	.0002	.0037	:20-----	.19	.0002	.0010	5:00-----	.78	.0008	.0077
7:20-----	.22	.0002	.0038	:40-----	.15	.0002	.0038	:40-----	.23	.0002	.0011	:40-----	.91	.0010	.0083
8:00-----	.24	.0003	.0040	9:00-----	.15	.0002	.0039	10:00-----	.29	.0003	.0012	6:00-----	.95	.0011	.0086
9:00-----	.24	.0003	.0044	12:00-----	.16	.0002	.0045	:20-----	.39	.0004	.0013	7:00-----	1.05	.0011	.0097
:40-----	.23	.0002	.0045	Jan. 29				:40-----	.48	.0005	.0015	:15-----	1.10	.0012	.0100
10:00-----	.22	.0002	.0046	a. m.				11:00-----	.54	.0006	.0017	8:00-----	1.36	.0015	.0103
:40-----	.23	.0002	.0047	1:00-----	.19	.0002	.0001	:20-----	.67	.0007	.0019	:30-----	1.49	.0016	.0108
12:00-----	.23	.0002	.0050	6:00-----	.19	.0002	.0002	:40-----	.74	.0008	.0021	9:00-----	1.56	.0017	.0116
Jan. 29				8:00-----	.16	.0002	.0016	12:00-----	.74	.0008	.0024	:15-----	1.63	.0018	.0120
a. m.				10:00-----	.16	.0002	.0020	p. m.				:20-----	1.70	.0018	.0121
3:05-----	.23	.0002	.0006	11:00-----	.18	.0002	.0022	1:00-----	.78	.0008	.0032	:30-----	2.01	.0022	.0124
:20-----	.22	.0002	.0007	12:00-----	.15	.0002	.0023	2:00-----	.81	.0009	.0041	:40-----	2.28	.0025	.0128
4:20-----	.23	.0002	.0009	:30-----	.14	.0002	.0024	:40-----	.95	.0010	.0047	:45-----	2.37	.0026	.0134
9:00-----	.24	.0003	.0023	p. m.				3:00-----	.95	.0010	.0050	10:00-----	2.58	.0028	.0141
11:30-----	.23	.0002	.0028	2:00-----	.14	.0002	.0028	:20-----	1.00	.0011	.0053	11:00-----	3.28	.0035	.0172
:50-----	.24	.0003	.0029	4:00-----	.16	.0002	.0032	4:00-----	1.10	.0012	.0060	:20-----	3.41	.0037	.0184
p. m.				5:00-----	.19	.0002	.0034	:10-----	1.15	.0012	.0062	:40-----	3.41	.0037	.0196
10:40-----	.24	.0003	.0062	6:00-----	.22	.0002	.0036	5:00-----	1.30	.0014	.0074	12:00-----	3.28	.0035	.0208
11:20-----	.26	.0003	.0082	7:00-----	.23	.0002	.0038	:10-----	1.63	.0018	.0077	Feb. 10			
12:00-----	.27	.0003	.0102	8:00-----	.24	.0003	.0040	:20-----	2.01	.0022	.0080	a. m.			
Jan. 30				11:00-----	.24	.0003	.0049	:40-----	2.19	.0024	.0088	1:00-----	3.15	.0034	.0035
a. m.				12:00-----	.23	.0002	.0052	:52-----	2.47	.0027	.0093	2:00-----	3.02	.0033	.0069
2:40-----	.27	.0003	.0008	Jan. 31				6:00-----	2.47	.0027	.0097	4:00-----	2.69	.0029	.0131
3:20-----	.29	.0003	.0010	a. m.				:30-----	2.58	.0027	.0111	:30-----	2.58	.0028	.0145
:40-----	.31	.0003	.0011	1:00-----	.19	.0002	.0002	7:00-----	3.28	.0035	.0126	5:00-----	2.47	.0027	.0159
4:00-----	.33	.0004	.0012	:20-----	.16	.0002	.0003	:40-----	3.83	.0041	.0151	6:00-----	2.37	.0026	.0185
:20-----	.35	.0004	.0013	:40-----	.14	.0001		8:00-----	4.15	.0045	.0165	10:50-----	2.37	.0026	.0313
5:40-----	.35	.0004	.0018	2:00-----	.14	.0001	.0003	:30-----	3.83	.0041	.0187	11:00-----	2.47	.0027	.0317
6:10-----	.33	.0004	.0020	12:00-----	.14	.0001	.0013	9:00-----	3.54	.0038	.0207	12:00-----	2.69	.0029	.0345
:20-----	.27	.0003	.0021	p. m.				10:00-----	2.91	.0031	.0242	p. m.			
:40-----	.26	.0003	.0022	12:00-----	.14	.0001	.0025	11:00-----	2.37	.0026	.0270	1:00-----	3.28	.0035	.0377
:52-----	.16	.0002	.0023					12:00-----	2.01	.0022	.0294	:30-----	3.54	.0038	.0395



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 10				Feb. 12				Feb. 15				Feb. 19			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
1:50-----	3.83	0.0041	0.0408	3:00-----	4.31	0.0047	0.0384	12:10-----	1.63	0.0018	0.0188	5:00-----	2.19	0.0024	0.0120
:54-----	3.99	.0043	.0411	:20-----	4.66	.0050	.0400	:20-----	1.56	.0017	.0191	7:00-----	2.28	.0025	.0170
2:00-----	4.15	.0045	.0415	:30-----	4.31	.0047	.0408	1:00-----	1.42	.0015	.0202	9:00-----	2.37	.0026	.0220
:20-----	4.48	.0048	.0431	5:00-----	4.15	.0045	.0477	2:00-----	1.36	.0015	.0217	10:00-----	2.47	.0027	.0247
:50-----	4.84	.0052	.0456	6:00-----	3.83	.0041	.0520	4:10-----	1.36	.0015	.0249	11:00-----	2.58	.0028	.0275
3:00-----	4.84	.0052	.0465	7:00-----	3.54	.0038	.0560	5:30-----	1.30	.0014	.0269	12:00-----	2.91	.0031	.0305
:25-----	5.02	.0054	.0487	8:00-----	3.28	.0035	.0596	8:20-----	1.25	.0014	.0309				
:50-----	4.84	.0052	.0509	9:00-----	3.15	.0034	.0631	9:00-----	1.15	.0012	.0318				
4:00-----	5.02	.0054	.0518	10:00-----	2.91	.0031	.0663	:20-----	1.10	.0012	.0322	<i>p. m.</i>			
:20-----	5.38	.0058	.0537	12:00-----	2.80	.0030	.0725	10:20-----	1.10	.0012	.0334	12:25-----	3.02	.0033	.0318
:30-----	5.99	.0065	.0547					:40-----	1.00	.0011	.0338	1:00-----	2.69	.0029	.0336
:40-----	7.56	.0082	.0559	Feb. 13				11:00-----	.95	.0010	.0342	2:00-----	2.19	.0024	.0362
:50-----	9.66	.0104	.0561	<i>a. m.</i>				:40-----	1.00	.0011	.0349	3:00-----	1.85	.0020	.0384
5:00-----	11.1	.0120	.0570	1:20-----	2.58	.0028	.0038	12:00-----	1.00	.0011	.0353	4:00-----	1.49	.0016	.0402
:10-----	13.1	.0141	.0592	3:20-----	2.37	.0026	.0092					5:00-----	1.25	.0014	.0417
:20-----	15.7	.0170	.0618	5:00-----	2.37	.0026	.0135	Feb. 16				6:00-----	1.05	.0011	.0429
:30-----	19.7	.0213	.0650	6:20-----	2.28	.0025	.0168	<i>a. m.</i>				8:00-----	.91	.0010	.0451
:38-----	21.3	.0230	.0680	8:00-----	2.19	.0024	.0210	1:20-----	1.05	.0011	.0015	10:00-----	.81	.0009	.0469
:40-----	25.0	.0270	.0688	9:20-----	2.10	.0023	.0241	2:40-----	1.10	.0012	.0031	12:00-----	.86	.0009	.0487
:50-----	27.5	.0297	.0732	11:00-----	2.01	.0022	.0278	4:30-----	1.05	.0011	.0051				
:56-----	32.6	.0352	.0764	12:00-----	2.01	.0022	.0300	6:30-----	1.00	.0011	.0073	Feb. 20			
6:00-----	37.0	.0400	.0789					7:20-----	1.00	.0011	.0082	<i>a. m.</i>			
:05-----	40.1	.0433	.0824	<i>p. m.</i>				8:00-----	1.05	.0011	.0089	1:00-----	.95	.0010	.0009
:15-----	41.8	.0451	.0898	3:00-----	1.93	.0021	.0363	9:00-----	1.25	.0014	.0102	3:00-----	1.10	.0012	.0029
:30-----	43.4	.0469	.1013	5:20-----	1.85	.0020	.0412	:20-----	1.30	.0014	.0107	4:30-----	1.20	.0013	.0047
:40-----	46.0	.0497	.1093	8:00-----	1.77	.0019	.0463	11:30-----	1.30	.0014	.0137	6:00-----	1.30	.0014	.0068
7:00-----	47.8	.0516	.1262	9:20-----	1.70	.0018	.0488	:40-----	1.25	.0014	.0139	8:00-----	1.42	.0015	.0096
:12-----	52.6	.0568	.1370	10:00-----	1.77	.0019	.0500	:56-----	1.25	.0014	.0143	10:00-----	1.56	.0017	.0128
:16-----	51.6	.0557	.1407	:20-----	1.70	.0018	.0506	12:00-----	1.20	.0013	.0144	11:20-----	1.63	.0018	.0152
:18-----	55.4	.0598	.1426	:35-----	1.70	.0018	.0510								
:24-----	52.6	.0568	.1484	:40-----	1.93	.0021	.0512	<i>p. m.</i>				<i>p. m.</i>			
:40-----	53.5	.0578	.1627	:45-----	2.19	.0024	.0514	12:20-----	1.10	.0012	.0148	1:00-----	1.56	.0017	.0180
8:00-----	46.8	.0506	.1808	11:00-----	2.19	.0024	.0520	:40-----	1.05	.0011	.0152	2:20-----	1.49	.0016	.0203
:20-----	39.2	.0423	.1962	:25-----	2.37	.0026	.0530	5:00-----	1.05	.0011	.0156	4:00-----	1.36	.0015	.0228
:40-----	31.9	.0344	.2090	12:00-----	2.37	.0026	.0545	6:40-----	1.00	.0011	.0174	6:00-----	1.36	.0015	.0258
9:00-----	26.2	.0283	.2194					9:00-----	.95	.0010	.0200	7:00-----	1.42	.0015	.0273
:20-----	22.9	.0247	.2282	Feb. 14				:50-----	.91	.0010	.0208	8:40-----	1.56	.0017	.0300
:40-----	19.7	.0213	.2359	<i>a. m.</i>				10:20-----	.86	.0009	.0213	10:00-----	1.70	.0018	.0328
10:00-----	17.5	.0189	.2426	12:30-----	2.58	.0028	.0014	11:40-----	.81	.0009	.0225	11:20-----	1.77	.0019	.0347
:20-----	15.7	.0170	.2485	1:00-----	2.69	.0029	.0028	12:00-----	.81	.0009	.0228	12:00-----	1.85	.0020	.0360
:40-----	14.2	.0153	.2539	:30-----	2.58	.0028	.0043	Feb. 17				Feb. 21			
11:00-----	13.1	.0141	.2591	:50-----	2.10	.0023	.0092	<i>a. m.</i>				<i>a. m.</i>			
:20-----	12.1	.0131	.2638	4:40-----	2.19	.0027	.0124	1:00-----	.78	.0008	.0009	2:40-----	2.01	.0022	.0056
12:00-----	10.2	.0110	.2723	5:00-----	2.10	.0023	.0132	:50-----	.79	.0008	.0016	5:00-----	2.19	.0024	.0110
				:40-----	2.19	.0024	.0148	2:20-----	.70	.0008	.0020	7:00-----	2.28	.0025	.0146
Feb. 11				7:40-----	2.19	.0024	.0196	3:30-----	.74	.0008	.0029	8:00-----	2.37	.0026	.0185
<i>a. m.</i>				9:00-----	2.28	.0025	.0229	5:00-----	.81	.0008	.0041	9:00-----	2.47	.0027	.0211
12:30-----	9.10	.0098	.0056	10:00-----	2.37	.0026	.0254	6:20-----	.74	.0008	.0052	:40-----	2.37	.0026	.0229
:44-----	9.10	.0098	.0080	:10-----	2.28	.0025	.0258	8:00-----	.81	.0009	.0065	7:00-----	2.37	.0026	.0242
:50-----	8.82	.0095	.0090	:40-----	2.37	.0026	.0271	10:00-----	1.00	.0010	.0085	10:10-----	2.37	.0026	.0259
1:00-----	8.06	.0087	.0105	11:00-----	2.37	.0026	.0280	:20-----	1.05	.0011	.0089	:25-----	2.28	.0025	.0249
:20-----	7.33	.0079	.0133	:20-----	2.28	.0025	.0289	3:00-----	.86	.0009	.0101	:50-----	2.37	.0026	.0259
:40-----	6.41	.0069	.0158	:50-----	2.19	.0024	.0301	12:00-----	.81	.0009	.0106				
2:00-----	5.99	.0065	.0180					<i>p. m.</i>				<i>p. m.</i>			
3:00-----	5.38	.0058	.0242	<i>p. m.</i>				2:00-----	.91	.0010	.0124	2:00-----	2.37	.0026	.0341
4:00-----	5.20	.0056	.0294	12:20-----	2.19	.0024	.0313	4:00-----	1.00	.0011	.0146	4:00-----	2.19	.0024	.0391
5:00-----	4.84	.0052	.0349	1:10-----	2.01	.0022	.0332	5:00-----	1.05	.0011	.0157	5:20-----	2.10	.0023	.0422
6:00-----	4.48	.0048	.0401	2:00-----	1.85	.0020	.0349	7:00-----	1.05	.0011	.0179	7:00-----	2.19	.0024	.0462
8:00-----	3.99	.0043	.0497	3:00-----	1.70	.0018	.0368	9:00-----	1.00	.0011	.0201	8:20-----	2.28	.0025	.0492
10:00-----	3.54	.0038	.0583	4:00-----	1.63	.0018	.0386	12:00-----	1.00	.0011	.0234	9:30-----	2.37	.0026	.0522
12:00-----	3.41	.0037	.0661	5:20-----	1.56	.0017	.0410					12:00-----	2.69	.0029	.0590
				6:20-----	1.56	.0017	.0427	Feb. 18				Feb. 22			
<i>p. m.</i>				8:00-----	1.49	.0016	.0454	<i>a. m.</i>				<i>a. m.</i>			
2:00-----	3.41	.0037	.0735	10:00-----	1.42	.0015	.0484	2:00-----	.95	.0010	.0020	2:50-----	2.80	.0030	.0024
:40-----	3.54	.0038	.0760	11:00-----	1.49	.0016	.0500	5:00-----	.91	.0010	.0050	12:50-----	2.69	.0029	.0034
4:00-----	3.83	.0041	.0812	12:00-----	1.42	.0015	.0515	6:00-----	.91	.0010	.0060	1:10-----	2.69	.0029	.0068
:40-----	3.99	.0045	.0841					:20-----	.91	.0010	.0063	3:00-----	2.69	.0029	.0086
5:20-----	3.99	.0045	.0871	<i>a. m.</i>				7:40-----	.95	.0010	.0076	4:20-----	2.80	.0030	.0126
6:00-----	3.83	.0041	.0900	1:00-----	1.36	.0015	.0015	9:00-----	1.00	.0011	.0091	5:40-----	2.80	.0030	.0166
7:00-----	3.54	.0038	.0940	2:00-----	1.30	.0014	.0029	10:00-----	1.05	.0011	.0102	7:00-----	2.91	.0031	.0206
8:00-----	3.41	.0037	.0978	:40-----	1.25	.0012	.0038	11:00-----	1.10	.0012	.0113	10:00-----	2.91	.0031	.0299
10:00-----	2.91	.0031	.1046	:50-----	1.15	.0012	.0042	12:00-----	1.20	.0013	.0126	12:00-----	2.80	.0030	.0359
12:00-----	2.67	.0029	.1106	:10-----	1.15	.0012	.0044	<i>p. m.</i>				<i>p. m.</i>			
				:20-----	1.20	.0013	.0046	1:00-----	1.36	.0015	.0140	2:40-----	2.58	.0028	.0435
Feb. 12				4:40-----	1.20	.0013	.0063	2:00-----	1.63	.0018	.0156	5:00-----	2.37	.0026	.0498
<i>a. m.</i>				6:00-----	1.15	.0012	.0080	3:00-----	1.70	.0018	.0175	7:20-----	2.19	.0024	.0556
2:00-----	2.58	.0028	.0056	7:40-----	1.20	.0013	.0100	:16-----	1.85	.0020	.0180	9:20-----	2.01	.0022	.0602
4:00-----	2.37	.0026	.0110	8:00-----	1.25	.0014	.0105	:30-----	1.77	.0019	.0184	10:40-----	1.93	.0021	.0631
6:00-----	2.19	.0024	.0160	:40-----	1.30	.0014	.0114	5:00-----	1.93	.0021	.0214	12:00-----	1.85	.0020	.0658
8:00-----	2.01	.0022	.0206	9:00-----	1.42	.0015	.0119	6:00-----	2.01	.0022	.0235				
10:00-----	1.93	.0021	.0250	:40-----	1.70	.0018	.0130	:50-----	2.10	.0023	.0254	Feb. 23			
11:30-----	2.01	.0022	.0283	10:00-----	1.93	.0021	.0136	7:40-----	2.10	.0023	.0273	<i>a. m.</i>			
12:00-----	2.10	.0023	.0295	:40-----	2.10	.0023	.0140	9:00-----	2.01	.0022	.0302	3:00-----	1.85	.0020	.0060
<i>p. m</i>															



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 23				Feb. 29				Mar. 3				Mar. 5			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
2:00	1.56	0.0017	0.0260	1:00	1.00	0.0011	0.0011	1:10	78.1	0.0843	0.0799	1:20	8.56	0.0092	0.0125
4:00	1.70	.0018	.0296	5:00	.95	.0010	.0051	1:15	76.9	.0831	.0868	2:20	8.31	.0090	.0216
5:40	1.85	.0020	.0328	9:20	.91	.0010	.0094	2:00	79.3	.0856	.0938	3:30	8.06	.0087	.0319
6:20	1.93	.0021	.0341	12:00	.91	.0010	.0121	3:00	83.1	.0897	.1084	5:00	7.81	.0084	.0448
7:20	1.77	.0019	.0361					4:00	86.9	.0939	.1237	6:30	7.56	.0082	.0573
9:00	1.85	.0020	.0393	<i>p. m.</i>				2:00	90.8	.0981	.1557	8:00	7.33	.0079	.0695
11:00	1.70	.0018	.0412	1:00	.95	.0010	.0136	2:20	88.2	.0953	.1879	9:20	7.10	.0077	.0799
12:00	1.70	.0018	.0430	3:00	1.00	.0010	.0151	4:00	81.8	.0883	.2185	10:40	6.87	.0074	.0899
Feb. 24				5:40	1.10	.0012	.0180	3:00	72.0	.0778	.2462	12:00	6.64	.0072	.0996
<i>a. m.</i>				8:20	1.10	.0012	.0212	4:00	63.0	.0680	.2705				
4:00	1.63	.0018	.0072	12:00	1.05	.0011	.0256	4:00	53.5	.0578	.2914	<i>p. m.</i>			
11:00	1.63	.0018	.0198	Mar. 1				4:00	46.8	.0505	.3094	2:00	6.41	.0069	.1138
<i>p. m.</i>				<i>a. m.</i>				2:00	40.9	.0442	.3252	4:00	6.20	.0067	.1274
3:00	1.56	.0017	.0266	5:00	1.00	.0010	.0050	4:00	37.0	.0400	.3392	6:00	5.99	.0065	.1406
9:00	1.56	.0017	.0368	10:00	.95	.0010	.0100	5:00	33.4	.0361	.3519	8:00	5.78	.0062	.1532
11:40	1.49	.0016	.0413	12:00	.95	.0010	.0120	2:00	30.0	.0324	.3633	10:00	5.58	.0060	.1654
12:00	1.49	.0016	.0418	<i>p. m.</i>				4:00	28.1	.0303	.3738	12:00	5.38	.0058	.1772
Feb. 25				1:10	1.00	.0011	.0132	7:00	23.4	.0253	.3967	Mar. 6			
<i>a. m.</i>				4:00	1.05	.0011	.0138	7:00	22.4	.0242	.4091	<i>a. m.</i>			
1:20	1.49	.0016	.0021	2:00	1.10	.0012	.0142	3:00	20.8	.0225	.4208	2:00	5.20	.0056	.0114
4:40	1.42	.0015	.0071	3:00	1.42	.0015	.0156	8:00	19.7	.0213	.4317	4:00	5.02	.0054	.0224
7:00	1.36	.0015	.0106	4:05	1.49	.0015	.0159	9:20	18.8	.0203	.4594	6:00	4.84	.0052	.0330
8:20	1.30	.0014	.0126	5:00	1.70	.0018	.0170	10:30	18.4	.0199	.4830	8:00	4.66	.0050	.0432
9:20	1.36	.0015	.0141	6:20	2.01	.0022	.0177	11:20	18.8	.0203	.4997	10:00	4.48	.0048	.0530
10:00	1.42	.0015	.0151	7:20	2.19	.0024	.0183	12:00	19.3	.0208	.5134	12:00	4.31	.0047	.0626
11:00	1.36	.0015	.0166	8:00	2.28	.0025	.0187	<i>p. m.</i>				<i>p. m.</i>			
<i>p. m.</i>				5:00	2.37	.0026	.0198	12:50	19.7	.0213	.5309	2:00	4.15	.0045	.0718
3:00	1.36	.0015	.0226	5:00	2.58	.0028	.0220	1:40	19.3	.0208	.5485	3:20	3.99	.0043	.0777
4:40	1.42	.0015	.0251	6:20	2.69	.0029	.0235	2:20	19.3	.0208	.5624	5:20	3.83	.0041	.0861
7:00	1.36	.0015	.0286	7:20	2.58	.0028	.0264	4:00	19.7	.0213	.5694	8:00	3.67	.0040	.0968
8:00	1.30	.0014	.0294	8:00	2.47	.0027	.0282	3:00	20.2	.0218	.5766	11:00	3.54	.0038	.1085
8:05	1.20	.0013	.0302	9:00	2.28	.0025	.0308	4:00	23.4	.0253	.6001	12:00	3.54	.0038	.1123
9:00	1.15	.0012	.0305	10:00	2.10	.0023	.0332	5:05	22.9	.0247	.6084	Mar. 7			
9:00	1.15	.0012	.0313	11:00	1.93	.0021	.0354	5:05	21.3	.0230	.6261	<i>a. m.</i>			
11:12	1.05	.0011	.0338	12:00	1.85	.0020	.0375	1:18	21.8	.0235	.6278	2:00	3.41	.0037	.0076
12:00	1.05	.0011	.0347	Mar. 2				3:00	24.5	.0330	.6325	5:00	3.28	.0035	.0184
Feb. 26				<i>a. m.</i>				4:00	30.0	.0324	.6380	8:00	3.15	.0034	.0289
<i>a. m.</i>				1:20	1.70	.0018	.0025	5:00	35.5	.0383	.6439	10:00	2.91	.0031	.0353
1:20	1.05	.0011	.0015	2:30	1.63	.0018	.0046	6:00	40.1	.0433	.6507	<i>p. m.</i>			
4:00	1.10	.0012	.0044	4:00	1.56	.0017	.0073	7:00	46.0	.0497	.6662	7:00	2.91	.0031	.0632
8:20	1.10	.0012	.0095	6:30	1.49	.0016	.0113	8:00	55.4	.0589	.6790	9:00	2.80	.0030	.0694
9:00	1.20	.0013	.0104	7:10	1.49	.0016	.0124	9:00	50.6	.0546	.7040	12:00	2.69	.0029	.0781
10:00	1.42	.0015	.0118	8:00	1.42	.0015	.0136	1:00	46.8	.0505	.7213	Mar. 8			
11:00	1.56	.0017	.0136	9:00	1.49	.0016	.0152	2:00	46.0	.0497	.7380	<i>a. m.</i>			
12:00	1.30	.0014	.0151	10:00	1.56	.0017	.0165	3:00	44.3	.0478	.7543	3:20	2.58	.0028	.0097
<i>p. m.</i>				11:00	1.63	.0018	.0168	4:00	41.8	.0451	.7698	6:30	2.47	.0027	.0182
1:00	1.20	.0013	.0165	12:00	1.77	.0019	.0177	5:00	37.7	.0407	.7913	9:00	2.37	.0026	.0249
2:00	1.20	.0013	.0178	1:00	2.01	.0022	.0188	6:00	35.5	.0383	.7979	10:00	2.37	.0026	.0275
3:20	1.10	.0012	.0194	3:00	2.37	.0026	.0200	7:00	31.9	.0344	.8100	<i>p. m.</i>			
4:40	1.10	.0012	.0210	4:00	2.91	.0031	.0214	8:00	30.6	.0330	.8156	2:30	2.28	.0025	.0388
6:00	1.15	.0012	.0226	5:00	3.15	.0034	.0225	9:00	48.7	.0526	.8628	7:00	2.19	.0024	.0501
9:00	1.10	.0012	.0262	6:00	3.54	.0038	.0249	10:00	50.6	.0546	.8806	10:20	2.10	.0023	.0578
12:00	1.10	.0012	.0298	7:00	4.31	.0047	.0291	11:00	51.6	.0557	.8989	12:00	2.01	.0022	.0616
Feb. 27				8:00	5.58	.0060	.0371	12:00	46.0	.0497	.9164	Mar. 9			
<i>a. m.</i>				9:00	6.20	.0067	.0403	<i>a. m.</i>				<i>a. m.</i>			
4:00	1.05	.0011	.0048	10:00	6.87	.0074	.0426	3:20	40.1	.0433	.9319	3:20	2.01	.0022	.0073
6:20	1.05	.0011	.0074	11:00	7.10	.0077	.0439	6:20	33.4	.0361	.8324	6:20	1.93	.0021	.0136
7:10	1.00	.0011	.0083	12:00	7.10	.0077	.0439	7:00	32.6	.0350	.8461	9:40	1.85	.0020	.0206
8:00	.91	.0010	.0091	<i>p. m.</i>				8:00	46.8	.0505	.8542	Mar. 10			
9:00	.95	.0010	.0100	12:20	12.1	.0131	.0523	9:00	48.7	.0526	.8628	<i>p. m.</i>			
10:00	.95	.0010	.0105	1:00	15.7	.0170	.0573	10:00	50.6	.0546	.8806	3:00	1.85	.0020	.0316
11:00	1.05	.0011	.0123	2:00	19.7	.0213	.0637	11:00	51.6	.0557	.8989	7:00	1.77	.0019	.0392
12:00	1.20	.0013	.0134	3:00	21.8	.0235	.0674	12:00	46.0	.0497	.9164	9:20	1.70	.0018	.0436
<i>p. m.</i>				4:00	22.9	.0247	.0734	<i>p. m.</i>				12:00	1.63	.0018	.0484
2:30	1.20	.0013	.0167	5:00	22.4	.0242	.0800	1:00	30.0	.0324	.8211	Mar. 11			
5:00	1.15	.0012	.0200	6:00	20.2	.0218	.1118	2:00	30.6	.0330	.8266	<i>a. m.</i>			
9:00	1.10	.0012	.0248	7:00	19.3	.0208	.1154	3:00	33.4	.0361	.8324	2:20	1.56	.0017	.0040
12:00	1.10	.0012	.0284	8:00	17.9	.0193	.1287	4:00	35.5	.0383	.7979	5:00	1.56	.0017	.0085
Feb. 28				9:00	17.9	.0193	.1381	5:00	37.7	.0407	.7913	7:40	1.49	.0016	.0128
<i>a. m.</i>				10:00	18.8	.0203	.1414	6:00	40.1	.0433	.6507	Mar. 12			
1:00	1.00	.0011	.0148	11:00	26.2	.0283	.1615	7:00	46.0	.0497	.9164	<i>p. m.</i>			
3:20	1.05	.0011	.0174	12:00	28.7	.0310	.1813	8:00	50.6	.0546	.8806	4:00	1.42	.0015	.0368
6:20	1.10	.0012	.0207	<i>a. m.</i>				9:00	51.6	.0557	.8989	6:00	1.36	.0015	.0393
8:00	1.05	.0011	.0225	12:20	56.4	.0609	.0178	10:00	46.0	.0497	.9164	8:00	1.25	.0014	.0010
11:20	1.00	.0011	.0262	1:00	63.0	.0680	.0286	11:00	33.4	.0361	.8324	1:00	1.25	.0014	.0017
12:00	1.00	.0011	.0269	3:00	67.4	.0728	.0404	12:00	30.0	.0324	.8211	2:00	1.25	.0014	.0029
Mar. 1				4:00	75.6	.0816	.0661	<i>p. m.</i>							
<i>a. m.</i>				5:00				1:00	11.1	.0120	.2656	Mar. 13			
12:20				6:00				3:00	10.5	.0113	.2890	<i>a. m.</i>			
Mar. 2				7:00				5:00	10.2	.0110	.3114	2:20	1.56	.0017	.0040
<i>a. m.</i>				8:30				7:00	9.94	.0107	.3330	5:00	1.56	.0017	.0085
12:20				9:40				8:30	9.66	.0104	.3489	7:40	1.49	.0016	.0128
Mar. 3				10:50				9:40	9.38	.0101	.3608	Mar. 14			
<i>a. m.</i>				12:00				10:50	9.10	.0098	.3725	<i>a. m.</i>			
1:00								12:00	8.82	.0095	.3837	12:00	1.36		



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Mar. 11				Mar. 16				Mar. 19				Mar. 24			
a. m.				a. m.				a. m.				p. m.			
4:00	1.20	.0013	.0055	6:30	1.10	0.0012	0.0062	3:00	5.20	0.0056	0.0198	4:20	1.15	0.0012	0.0138
6:00	1.15	.0012	.0681	7:45	1.30	.0014	.0065	4:00	4.84	.0052	.0252	7:00	1.10	.0012	.0170
8:00	1.20	.0013	.0105	7:10	1.20	.0013	.0071	5:10	4.48	.0048	.0310	8:40	1.05	.0011	.0188
9:00	1.30	.0014	.0119	8:50	1.15	.0012	.0079	6:30	4.15	.0045	.0371	10:00	1.00	.0011	.0203
10:00	1.49	.0016	.0127	8:40	1.20	.0013	.0090	8:00	3.83	.0041	.0436	12:00	.95	.0010	.0223
10:00	1.42	.0015	.0135	10:10	1.05	.0011	.0108	9:00	3.67	.0040	.0476				
11:00	1.36	.0015	.0138	12:00	1.10	.0012	.0128	10:00	3.54	.0038	.0515	Mar. 25			
11:00	1.36	.0015	.0150					11:00	3.41	.0037	.0552	a. m.			
p. m.				p. m.				p. m.				1:20	.91	.0010	.0013
12:20	1.42	.0015	.0170	2:10	1.10	.0012	.0154	1:00	3.28	.0035	.0624	2:30	.86	.0009	.0025
1:30	1.36	.0015	.0187	4:50	1.20	.0013	.0189	2:30	3.15	.0034	.0677	5:00	.91	.0010	.0048
3:20	1.36	.0015	.0204	5:30	1.25	.0014	.0197	4:00	3.02	.0033	.0727	6:30	.81	.0009	.0062
6:40	1.30	.0014	.0251	7:20	1.20	.0013	.0223	5:30	2.91	.0031	.0775	7:30	.78	.0008	.0071
9:00	1.25	.0014	.0284	10:00	1.15	.0012	.0255	8:40	2.80	.0030	.0873	8:20	.81	.0009	.0078
10:00	1.20	.0013	.0297	11:00	1.10	.0012	.0267	11:00	2.69	.0029	.0941	9:30	.95	.0010	.0090
12:40	1.10	.0012	.0302	12:00	.95	.0010	.0278	12:00	2.69	.0029	.0970	10:10	1.00	.0010	.0097
1:00	1.00	.0011	.0305									11:20	.95	.0010	.0109
11:00	.95	.0010	.0309	Mar. 17				Mar. 20				p. m.			
12:00	.91	.0010	.0312	a. m.				a. m.				2:00	1.00	.0010	.0136
12:00	.91	.0010	.0319	12:30	.91	.0010	.0005	2:20	2.58	.0028	.0068	3:30	1.05	.0011	.0153
Mar. 12				1:10	.95	.0010	.0012	7:20	2.47	.0027	.0208	5:40	1.00	.0010	.0175
a. m.				2:00	.95	.0010	.0020	11:20	2.37	.0026	.0312	8:00	.95	.0010	.0198
2:20	.91	.0010	.0023	4:00	1.00	.0011	.0042					9:00	.91	.0010	.0208
4:30	.95	.0010	.0045	5:50	1.05	.0011	.0062	p. m.				1:30	.81	.0009	.0213
7:20	.95	.0010	.0073	7:00	1.00	.0011	.0075	1:30	2.28	.0025	.0368	10:00	.74	.0008	.0218
8:20	1.00	.0011	.0084	8:30	1.00	.0011	.0092	3:20	2.19	.0024	.0412	1:20	.70	.0008	.0221
9:00	1.15	.0012	.0091	9:00	.95	.0010	.0097	7:30	2.10	.0023	.0512	5:00	.67	.0007	.0225
10:00	1.30	.0014	.0098	10:40	1.00	.0011	.0115	11:00	2.01	.0022	.0589	12:00	.67	.0007	.0233
10:00	1.49	.0016	.0106	11:50	1.05	.0011	.0128	12:00	2.01	.0022	.0611				
11:00	1.63	.0018	.0115					Mar. 21				Mar. 26			
11:00	1.36	.0015	.0123	p. m.				a. m.				a. m.			
12:00	1.25	.0014	.0128	1:00	1.20	.0013	.0142	1:20	1.93	.0021	.0028	2:20	.70	.0008	.0019
				2:00	1.42	.0015	.0156	3:20	1.85	.0020	.0068	4:30	.70	.0008	.0036
				3:00	1.63	.0018	.0164	5:30	1.77	.0019	.0111	6:50	.67	.0007	.0052
				4:00	1.93	.0021	.0174	11:40	1.77	.0019	.0228	8:00	.70	.0008	.0061
				4:40	2.58	.0028	.0190					9:00	.74	.0008	.0065
				5:50	3.15	.0034	.0211					1:00	.78	.0008	.0069
				5:30	3.67	.0040	.0233	p. m.				5:00	.91	.0010	.0076
				6:00	3.41	.0037	.0255	3:40	1.85	.0020	.0304	11:50	.81	.0009	.0085
				7:10	3.28	.0035	.0273	8:00	1.77	.0019	.0391				
				7:10	2.91	.0031	.0311	10:00	1.77	.0019	.0429	p. m.			
				8:00	2.69	.0029	.0336	12:00	1.85	.0020	.0467	12:20	.91	.0010	.0090
				9:00	2.47	.0027	.0364	Mar. 22				2:00	1.00	.0011	.0107
				10:00	2.28	.0025	.0390	a. m.				3:30	1.05	.0011	.0124
				11:00	2.19	.0024	.0415	2:20	1.77	.0019	.0045	5:20	1.00	.0011	.0144
				12:00	2.01	.0022	.0438	5:30	1.70	.0018	.0102	7:00	.95	.0010	.0161
								6:30	1.63	.0018	.0120	8:00	.91	.0010	.0171
				Mar. 18				8:00	1.56	.0017	.0147	9:20	.86	.0009	.0184
				a. m.								11:20	.81	.0009	.0202
				2:10	1.85	.0020	.0025					12:00	.81	.0009	.0208
				4:50	1.70	.0018	.0076								
				7:00	1.63	.0018	.0115	p. m.				Mar. 27			
				9:10	1.56	.0017	.0152	3:00	1.56	.0017	.0166	a. m.			
				11:20	1.56	.0017	.0189	7:30	1.49	.0016	.0238	9:00	.81	.0009	.0081
								10:00	1.42	.0015	.0278	11:30	.86	.0009	.0104
				p. m.				11:10	1.30	.0014	.0294				
				1:10	1.70	.0018	.0222	12:00	1.30	.0014	.0311	p. m.			
				3:20	1.85	.0020	.0263	Mar. 23				2:30	.91	.0010	.0131
				4:30	1.93	.0021	.0286	a. m.				4:40	.95	.0010	.0153
				5:20	1.93	.0021	.0303	12:40	1.30	.0014	.0009	7:00	1.00	.0011	.0179
				5:36	1.93	.0021	.0309	2:30	1.20	.0013	.0035	8:30	1.05	.0011	.0196
				6:00	2.10	.0023	.0310	3:30	1.15	.0012	.0047	10:20	1.10	.0012	.0216
				7:20	2.47	.0027	.0318	5:00	1.20	.0013	.0065	12:00	1.05	.0011	.0236
				8:00	3.41	.0037	.0329	8:00	1.25	.0014	.0107				
				8:25	4.15	.0045	.0332	9:00	1.36	.0015	.0121	Mar. 28			
				9:30	5.38	.0058	.0336	10:30	1.49	.0016	.0132	a. m.			
				10:00	6.10	.0069	.0341	11:30	1.56	.0017	.0146	1:00	1.05	.0011	.0011
				10:40	7.41	.0077	.0347	12:00	1.42	.0015	.0171	4:00	1.10	.0012	.0047
				11:00	9.66	.0104	.0362					6:20	1.05	.0011	.0073
				11:40	11.4	.0123	.0371	p. m.				10:00	1.00	.0011	.0113
				12:00	13.9	.0150	.0382	1:00	1.36	.0015	.0186				
					15.7	.0170	.0395	4:00	1.30	.0014	.0231	p. m.			
				2:00	20.8	.0225	.0444	7:00	1.25	.0014	.0273	2:30	1.05	.0011	.0163
				3:00	22.4	.0242	.0483	8:40	1.20	.0013	.0294	6:00	1.15	.0012	.0226
				4:00	21.3	.0230	.0522	10:00	1.10	.0012	.0311	8:00	1.10	.0012	.0250
				5:00	18.4	.0199	.0593	12:00	1.05	.0011	.0333	10:00	1.05	.0011	.0274
				6:00	14.2	.0153	.0681	Mar. 24				Mar. 29			
				7:00	12.1	.0131	.0752	a. m.				a. m.			
				8:00	10.8	.0117	.0793	2:00	.95	.0010	.0022	5:00	1.05	.0011	.0055
				9:00	9.94	.0107	.0830	4:30	.91	.0010	.0047	9:50	1.00	.0011	.0108
				10:00	9.66	.0104	.0865	6:40	.95	.0010	.0069	11:00	1.05	.0011	.0121
				11:00	9.38	.0101	.0899	8:10	1.00	.0011	.0084	12:00	1.15	.0012	.0132
				12:00	8.58	.0092	.0964	9:00	1.10	.0012	.0094				
					8.06	.0087	.1009	10:00	1.25	.0014	.0107	p. m.			
					7.33	.0079	.1051	11:20	1.20	.0013	.0125	12:40	1.20	.0013	.0140
				Mar. 19								2:30	1.25	.0014	.0164
				a. m.								5:30	1.20	.0013	.0206
				1:00	6.41	.0069	.0074								
				2:00	5.78	.0062	.0139								



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Mar. 29				Apr. 2				Apr. 8				Apr. 12			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
7:30-----	1.15	0.0012	0.0232	2:30-----	2.01	0.0022	0.0319	6:20-----	2.28	0.0025	0.0192	1:20-----	18.8	0.0203	0.0333
9:30-----	1.10	.0012	.0256	4:40-----	1.93	.0021	.0365	:40-----	2.19	.0024	.0200	:40-----	17.5	.0189	.0398
12:00-----	1.05	.0011	.0286	8:20-----	1.85	.0020	.0438	7:00-----	2.10	.0023	.0208	2:00-----	16.2	.0175	.0459
Mar. 30				12:00-----	1.77	.0019	.0511	:30-----	2.01	.0022	.0220	:30-----	14.9	.0161	.0543
<i>a. m.</i>				Apr. 3				8:30-----	1.93	.0021	.0241	3:00-----	13.9	.0150	.0621
3:40-----	1.00	.0011	.0040	<i>a. m.</i>				9:20-----	2.01	.0022	.0258	4:00-----	12.1	.0131	.0761
5:10-----	1.00	.0011	.0057	5:00-----	1.77	.0019	.0095	<i>p. m.</i>				5:00-----	11.1	.0120	.0886
:20-----	1.00	.0011	.0059	10:00-----	1.70	.0018	.0190	1:30-----	2.10	.0023	.0354	:30-----	10.5	.0113	.0994
6:00-----	1.05	.0011	.0067	11:30-----	1.70	.0018	.0217	4:30-----	2.37	.0026	.0426	6:30-----	10.2	.0110	.1006
7:00-----	1.15	.0012	.0078	<i>p. m.</i>				6:30-----	2.58	.0028	.0480	8:30-----	9.66	.0104	.1222
8:00-----	1.36	.0015	.0091	1:20-----	1.70	.0018	.0268	9:00-----	2.80	.0030	.0553	10:00-----	9.10	.0098	.1373
9:00-----	1.63	.0018	.0108	2:12-----	1.77	.0019	.0284	12:00-----	3.02	.0033	.0646	<i>p. m.</i>			
:30-----	1.93	.0021	.0117	:40-----	2.10	.0023	.0294	Apr. 9				12:30-----	8.56	.0092	.1611
10:00-----	2.19	.0024	.0138	3:00-----	2.58	.0028	.0302	<i>a. m.</i>				4:00-----	8.31	.0090	.1930
:20-----	2.37	.0026	.0146	:20-----	3.28	.0035	.0313	12:30-----	3.02	.0033	.0017	5:00-----	8.31	.0090	.2020
11:00-----	2.58	.0028	.0164	4:00-----	4.48	.0048	.0341	2:30-----	2.91	.0031	.0081	7:00-----	8.06	.0087	.2196
:40-----	2.80	.0030	.0182	:20-----	5.20	.0056	.0358	5:00-----	2.80	.0030	.0159	8:40-----	7.81	.0084	.2338
<i>p. m.</i>				:40-----	5.58	.0060	.0377	7:40-----	2.69	.0029	.0226	10:00-----	7.56	.0082	.2449
12:40-----	2.91	.0031	.0212	5:00-----	5.78	.0062	.0397	9:40-----	2.58	.0028	.0284	11:30-----	7.33	.0079	.2571
1:15-----	3.02	.0033	.0231	:40-----	5.58	.0060	.0438	12:00-----	2.47	.0027	.0347	12:00-----	7.33	.0079	.2611
:30-----	3.15	.0034	.0239	6:04-----	5.38	.0058	.0462	<i>p. m.</i>				Apr. 13			
:45-----	3.28	.0035	.0248	:40-----	5.38	.0058	.0497	2:30-----	2.37	.0026	.0414	<i>a. m.</i>			
2:00-----	3.41	.0037	.0257	7:30-----	5.58	.0060	.0546	5:30-----	2.28	.0025	.0589	1:10-----	7.10	.0077	.0091
:20-----	3.99	.0043	.0270	8:00-----	5.99	.0065	.0578	8:20-----	2.19	.0024	.0660	2:30-----	6.87	.0074	.0191
:40-----	4.66	.0050	.0286	9:00-----	6.41	.0069	.0645	12:00-----	2.10	.0023	.0744	3:40-----	6.64	.0072	.0276
3:00-----	5.58	.0060	.0304	10:00-----	6.20	.0067	.0713	<i>a. m.</i>				5:30-----	6.41	.0069	.0406
:06-----	5.99	.0065	.0310	11:00-----	5.58	.0060	.0776	7:30-----				7:30-----	6.20	.0067	.0542
:20-----	8.56	.0092	.0328	12:00-----	5.20	.0056	.0834	9:00-----				9:00-----	5.99	.0065	.0641
:25-----	10.2	.0110	.0336	Apr. 4				12:00-----				12:00-----	5.78	.0062	.0830
:30-----	12.1	.0131	.0346	<i>a. m.</i>				4:00-----	2.01	.0022	.0092	<i>p. m.</i>			
4:00-----	15.3	.0165	.0420	1:20-----	4.84	.0052	.0072	8:00-----	1.93	.0021	.0176	2:30-----	5.78	.0062	.0993
:20-----	17.1	.0185	.0478	2:50-----	4.48	.0048	.0147	12:00-----	1.85	.0020	.0260	5:20-----	5.99	.0065	.1166
:50-----	17.9	.0193	.0573	4:50-----	4.15	.0045	.0239	<i>p. m.</i>				8:30-----	5.99	.0065	.1372
5:08-----	17.9	.0193	.0631	7:00-----	3.83	.0041	.0332	3:30-----	1.77	.0019	.0327	10:40-----	5.78	.0062	.1508
:30-----	16.2	.0175	.0699	8:40-----	3.67	.0040	.0399	4:40-----	1.70	.0018	.0425	12:00-----	5.58	.0060	.1589
6:00-----	14.6	.0158	.0782	10:40-----	3.54	.0038	.0477	12:00-----	1.70	.0018	.0485	Apr. 14			
:30-----	12.8	.0138	.0856	<i>p. m.</i>				Apr. 11				<i>a. m.</i>			
7:00-----	11.1	.0120	.0921	12:20-----	3.41	.0037	.0537	6:00-----	1.70	.0018	.0108	12:20-----	5.58	.0060	.0020
:20-----	10.5	.0113	.0960	1:40-----	3.28	.0035	.0587	<i>a. m.</i>				2:30-----	5.38	.0058	.0146
8:00-----	9.94	.0107	.1033	3:30-----	3.02	.0033	.0649	12:00-----				4:30-----	5.20	.0056	.0260
9:00-----	9.38	.0101	.1137	5:30-----	2.80	.0030	.0713	<i>p. m.</i>				6:10-----	5.02	.0054	.0353
10:00-----	8.56	.0092	.1233	7:30-----	2.91	.0031	.0773	12:38-----	1.63	.0018	.0227	8:00-----	4.84	.0052	.0450
11:00-----	7.81	.0084	.1321	12:00-----	2.91	.0031	.0913	:40-----	1.63	.0018	.0228	10:00-----	4.66	.0050	.0552
12:00-----	7.33	.0079	.1403	Apr. 5				:40-----	1.63	.0018	.0234	<i>p. m.</i>			
Mar. 31				<i>a. m.</i>				1:00-----	1.63	.0018	.0234	3:00-----	4.48	.0048	.0797
<i>a. m.</i>				5:00-----	2.91	.0031	.0155	:20-----	1.63	.0018	.0240	4:30-----	4.48	.0048	.0869
1:00-----	6.64	.0072	.0076	9:40-----	2.80	.0030	.0300	:40-----	1.63	.0018	.0246	8:30-----	4.31	.0047	.1057
2:00-----	6.20	.0067	.0145	<i>p. m.</i>				:20-----	1.63	.0018	.0252	12:00-----	4.15	.0045	.1218
3:00-----	5.78	.0062	.0209	12:30-----	2.69	.0029	.0382	:40-----	1.70	.0018	.0264	Apr. 15			
4:00-----	5.38	.0058	.0269	3:00-----	2.58	.0028	.0455	3:00-----	1.77	.0019	.0270	<i>a. m.</i>			
5:00-----	5.02	.0054	.0325	7:00-----	2.47	.0027	.0563	:20-----	1.85	.0020	.0276	4:30-----	3.99	.0043	.0198
6:00-----	4.84	.0052	.0378	12:00-----	2.37	.0026	.0698	:40-----	1.93	.0021	.0283	9:00-----	3.83	.0041	.0387
7:00-----	4.66	.0050	.0429	Apr. 6				4:00-----	2.19	.0024	.0290	12:00-----	3.83	.0041	.0510
8:40-----	4.31	.0047	.0511	<i>a. m.</i>				:20-----	2.47	.0027	.0298	<i>p. m.</i>			
10:20-----	4.15	.0045	.0588	2:00-----	2.37	.0026	.0052	:40-----	2.91	.0031	.0308	7:00-----	3.67	.0040	.0790
12:00-----	3.99	.0043	.0661	7:00-----	2.28	.0025	.0182	5:00-----	3.41	.0037	.0319	12:00-----	3.67	.0040	.0990
<i>p. m.</i>				<i>p. m.</i>				:20-----	3.99	.0043	.0332	<i>a. m.</i>			
1:30-----	3.83	.0041	.0724	<i>a. m.</i>				:40-----	4.66	.0050	.0347	7:00-----			
2:40-----	3.67	.0040	.0771	3:00-----	2.19	.0024	.0374	6:00-----	5.38	.0058	.0365	12:00-----			
4:00-----	3.54	.0038	.0823	8:00-----	2.10	.0023	.0494	:20-----	5.99	.0065	.0385	Apr. 16			
5:30-----	3.41	.0037	.0880	12:00-----	2.10	.0023	.0586	:40-----	6.64	.0072	.0408	<i>a. m.</i>			
7:00-----	3.28	.0035	.0934	Apr. 7				:50-----	7.10	.0077	.0420	1:30-----	3.83	.0041	.0060
8:30-----	3.15	.0034	.0987	<i>a. m.</i>				7:00-----	8.56	.0092	.0434	4:00-----	3.99	.0043	.0165
10:30-----	3.02	.0033	.1051	6:20-----	2.01	.0022	.0139	:10-----	11.7	.0126	.0452	7:00-----	3.83	.0041	.0291
12:00-----	2.91	.0031	.1099	7:00-----	2.01	.0022	.0154	:20-----	13.5	.0146	.0475	10:30-----	3.67	.0040	.0431
Apr. 1				<i>p. m.</i>				:30-----	14.9	.0161	.0501	<i>a. m.</i>			
<i>a. m.</i>				4:00-----	2.01	.0022	.0352	:40-----	17.1	.0185	.0530	1:30-----			
2:20-----	2.80	.0030	.0070	5:40-----	2.10	.0023	.0389	8:00-----	21.3	.0230	.0599	4:00-----			
4:40-----	2.69	.0029	.0140	6:20-----	2.19	.0024	.0405	:20-----	26.9	.0291	.0686	6:00-----	3.54	.0038	.0587
7:20-----	2.58	.0028	.0215	7:00-----	2.37	.0026	.0449	:40-----	29.3	.0316	.0787	9:30-----	3.41	.0037	.0717
10:30-----	2.47	.0027	.0304	12:00-----	2.91	.0031	.0572	9:00-----	33.4	.0361	.0900	12:00-----	3.28	.0035	.0843
<i>p. m.</i>				Apr. 8				:20-----	37.7	.0407	.1028	<i>p. m.</i>			
1:30-----	2.37	.0026	.0382	<i>a. m.</i>				:40-----	41.8	.0451	.1171	7:00-----	3.15	.0034	.0928
4:40-----	2.28	.0025	.0464	4:30-----	2.91	.0031	.0140	10:00-----	45.1	.0487	.1327	<i>a. m.</i>			
7:40-----	2.19	.0024	.0536	5:00-----	2.80	.0030	.0156	:20-----	48.7	.0526	.1496	2:30-----			
12:00-----	2.10	.0023	.0640	:32-----	2.58	.0027	.0171	:25-----	49.7	.0537	.1540	6:00-----	3.02	.0033	.0132
Apr. 2				6:00-----	2.47	.0026	.0184	4:00-----	47.8	.0516	.1672	9:00-----	2.91	.0031	.0292
<i>a. m.</i>				<i>a. m.</i>				11:00-----	46.0	.0497	.1840	<i>p. m.</i>			
5:00-----	2.01	.0022	.0110	4:30-----	2.91	.0031	.0140	:20-----	39.2	.0423	.1993	2:00-----	2.80	.0030	.0442
11:00-----	1.93	.0021	.0242	5:00-----	2.80	.0030	.0156	:40-----	33.4	.0361	.2124	6:00-----	3.02	.0033	.0566
				:32-----	2.58	.0027	.0171	1:00-----	20.2	.0218	.0263	12:00-----	3.15	.0034	.0764
				6:00-----	2.47	.0026	.0184					Apr. 18			
												<i>a. m.</i>			
												4:30-----	3.28	.0035	.0153



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Apr. 18	Second-foot	Inches per hour	Inches	Apr. 20	Second-foot	Inches per hour	Inches	Apr. 25	Second-foot	Inches per hour	Inches	May 4	Second-foot	Inches per hour	Inches
p. m.				a. m.				p. m.				p. m.			
12:00-----	3.15	0.0034	0.0425	11:00-----	23.4	0.0253	0.4771	3:00-----	2.37	0.0026	0.0425	4:00-----	0.78	0.0008	0.0140
3:00-----	3.02	.0033	.0508	:20-----	22.9	.0247	.4854	7:00-----	2.28	.0025	.0525	7:00-----	.74	.0009	.0167
6:30-----	2.80	.0030	.0647	:40-----	22.4	.0242	.4935	10:00-----	2.19	.0024	.0597	12:00-----	.74	.0009	.0212
8:30-----	2.69	.0029	.0675	12:00-----	22.4	.0242	.5015	12:00-----	2.10	.0023	.0643				
12:00-----	2.50	.0028	.0773												
Apr. 19				p. m.				Apr. 26				May 5			
a. m.				12:20-----	21.8	.0235	.5094	a. m.				5:00-----	.70	.0008	.0040
4:00-----	2.47	.0027	.0112	:40-----	21.3	.0230	.5171	7:00-----	2.01	.0022	.0154	12:00-----	.67	.0007	.0089
10:50-----	2.47	.0027	.0296	1:00-----	20.8	.0225	.5247	12:00-----	1.93	.0021	.0259				
p. m.				:20-----	20.8	.0225	.5322	p. m.				3:00-----	.63	.0007	.0110
12:40-----	2.47	.0027	.0345	:40-----	20.8	.0225	.5397	4:00-----	1.85	.0020	.0339	5:30-----	.60	.0006	.0125
1:00-----	2.47	.0027	.0354	2:00-----	20.2	.0218	.5471	8:00-----	1.77	.0019	.0415	12:00-----	.60	.0006	.0158
:20-----	2.58	.0028	.0363	:20-----	20.2	.0218	.5544	12:00-----	1.70	.0018	.0487				
:40-----	2.58	.0028	.0372	:40-----	19.7	.0213	.5616								
2:00-----	2.69	.0029	.0381	3:00-----	19.7	.0213	.5687	Apr. 27				a. m.			
:20-----	2.80	.0030	.0391	:20-----	19.3	.0208	.5757	6:00-----	1.63	.0018	.0108	8:00-----	.60	.0006	.0048
:40-----	2.91	.0031	.0401	:40-----	18.8	.0203	.5825	12:00-----	1.56	.0017	.0210				
3:00-----	3.02	.0033	.0412	4:00-----	18.8	.0203	.5894	p. m.				1:00-----	.63	.0007	.0083
:20-----	3.15	.0034	.0423	5:00-----	17.5	.0189	.6090	3:00-----	1.49	.0016	.0258	4:00-----	.63	.0007	.0104
:40-----	3.28	.0035	.0434	6:00-----	16.6	.0179	.6182	6:30-----	1.42	.0015	.0311	6:35-----	.60	.0006	.0119
4:00-----	3.41	.0037	.0446	7:20-----	15.3	.0165	.6354	12:00-----	1.36	.0015	.0394	7:20-----	.60	.0006	.0124
:20-----	3.54	.0038	.0458	8:00-----	14.6	.0158	.6488					8:00-----	.63	.0007	.0129
:40-----	3.67	.0040	.0471	:10-----	14.2	.0153	.6591	Apr. 28				9:00-----	.67	.0007	.0136
5:00-----	3.83	.0041	.0484	9:00-----	14.6	.0158	.6746	a. m.				:30-----	.70	.0008	.0140
:20-----	3.99	.0043	.0498	:50-----	14.2	.0153	.6875	8:00-----	1.36	.0015	.0120	10:00-----	.74	.0008	.0144
:40-----	3.99	.0043	.0512	10:20-----	13.9	.0150	.6951	p. m.				11:00-----	.78	.0008	.0152
6:00-----	4.15	.0045	.0527	11:40-----	12.8	.0138	.7143	Apr. 29				12:00-----	.81	.0009	.0161
:20-----	4.31	.0047	.0542	12:00-----	12.4	.0134	.7188	a. m.							
:40-----	4.48	.0048	.0558					3:00-----	1.30	.0014	.0218	May 7			
7:00-----	4.66	.0050	.0574	Apr. 21				8:00-----	1.25	.0014	.0288	a. m.			
:20-----	5.02	.0054	.0591	a. m.				12:00-----	1.25	.0014	.0344	2:00-----	.81	.0009	.0018
:40-----	5.38	.0058	.0610	1:30-----	11.7	.0126	.0195					5:00-----	.78	.0008	.0042
:50-----	5.78	.0062	.0620	3:00-----	11.1	.0120	.0380	Apr. 30				7:30-----	.74	.0008	.0062
8:00-----	6.87	.0074	.0631	4:40-----	10.5	.0113	.0572	a. m.				11:30-----	.70	.0008	.0094
:10-----	9.38	.0101	.0646	6:00-----	10.2	.0110	.0721	3:00-----	1.20	.0013	.0214				
:15-----	11.7	.0126	.0656	:40-----	10.2	.0110	.0795	6:00-----	1.15	.0012	.0256	May 8			
:20-----	12.4	.0134	.0667	8:30-----	9.94	.0107	.0993	12:00-----	1.15	.0012	.0316	a. m.			
:40-----	14.6	.0158	.0716	11:00-----	9.38	.0101	.1253					5:00-----	.60	.0006	.0030
9:00-----	18.4	.0199	.0775					Apr. 29				12:00-----	.57	.0006	.0072
:20-----	23.9	.0258	.0851	p. m.				a. m.							
:40-----	30.0	.0324	.0943	1:10-----	8.82	.0095	.1465	3:30-----	1.20	.0013	.0214	May 9			
10:00-----	36.2	.0391	.1062	4:00-----	8.56	.0092	.1728	7:00-----	1.15	.0012	.0256	a. m.			
:20-----	41.8	.0451	.1202	6:40-----	7.81	.0084	.1963	12:00-----	1.15	.0012	.0316	1:30-----	.54	.0006	.0093
:40-----	52.6	.0568	.1371	8:30-----	7.56	.0082	.2115					5:20-----	.51	.0006	.0106
:50-----	59.7	.0645	.1472	11:00-----	7.33	.0079	.2315	May 1				6:30-----	.48	.0005	.0112
11:00-----	66.3	.0716	.1586	12:00-----	7.33	.0079	.2394	a. m.				10:30-----	.51	.0006	.0136
:20-----	85.6	.0924	.1859					5:00-----	1.10	.0012	.0060	12:00-----	.51	.0006	.0145
:30-----	90.0	.107	.2025	Apr. 22				10:30-----	1.15	.0012	.0126				
:40-----	112.	.121	.2215	a. m.								May 10			
:50-----	128.	.138	.2431	1:30-----	7.10	.0077	.0117	May 2				a. m.			
:55-----	134.	.145	.2548	3:30-----	6.87	.0074	.0267	5:00-----	1.00	.0011	.0055	3:40-----	.48	.0005	.0018
12:00-----	136.	.147	.2670	6:00-----	6.64	.0072	.0450	11:00-----	1.00	.0011	.0121	11:00-----	.48	.0005	.0054
Apr. 20				7:30-----	6.41	.0069	.0555								
a. m.				9:30-----	6.20	.0067	.0691	May 3				p. m.			
12:08-----	139.	.148	.0196	11:30-----	5.99	.0065	.0823	a. m.				12:40-----	.51	.0006	.0076
:20-----	133.	.144	.0489					5:00-----	1.10	.0012	.0060	2:20-----	.48	.0005	.0086
:30-----	129.	.139	.0725	p. m.				10:30-----	1.15	.0012	.0126	4:20-----	.46	.0005	.0096
:40-----	114.	.123	.0945	1:30-----	5.78	.0060	.0949					6:30-----	.44	.0005	.0107
1:00-----	92.1	.0995	.1315	3:00-----	5.68	.0060	.1041	May 4				10:30-----	.46	.0005	.0127
:20-----	73.2	.0791	.1612	4:30-----	5.38	.0058	.1130	a. m.				12:00-----	.46	.0005	.0134
:40-----	59.7	.0645	.1851	6:00-----	5.20	.0056	.1216	2:00-----	1.20	.0013	.0180				
2:00-----	50.6	.0546	.2049	8:00-----	5.02	.0054	.1326	5:50-----	1.15	.0012	.0234	May 11			
:20-----	43.3	.0469	.2218	10:20-----	4.84	.0052	.1450	8:00-----	1.10	.0012	.0260	a. m.			
:40-----	38.4	.0415	.2365	12:00-----	4.66	.0050	.1535	12:00-----	1.05	.0011	.0304	2:30-----	.44	.0005	.0071
3:00-----	34.1	.0368	.2495									4:40-----	.42	.0004	.0080
:20-----	31.2	.0337	.2612	Apr. 23				May 5				12:00-----	.42	.0004	.0109
:40-----	28.7	.0310	.2720	a. m.				a. m.							
4:00-----	26.9	.0291	.2820	1:00-----	4.66	.0050	.0050	5:00-----	.95	.0010	.0191				
:20-----	25.0	.0270	.2913	4:30-----	4.48	.0048	.0222	12:00-----	.95	.0010	.0251				
:40-----	23.4	.0253	.3000	8:00-----	4.31	.0047	.0387								
5:00-----	22.4	.0242	.3082	11:00-----	4.15	.0045	.0525	May 6							
5:20-----	21.8	.0235	.3161	12:00-----	4.15	.0045	.0570	a. m.							
:40-----	21.8	.0235	.3239					2:00-----	.95	.0010	.0020				
6:00-----	22.4	.0242	.3318	p. m.				7:00-----	1.00	.0011	.0075				
:20-----	23.4	.0252	.3400	3:00-----	3.99	.0043	.0702	12:00-----	.95	.0011	.0130				
:40-----	23.9	.0258	.3485	6:00-----	3.83	.0041	.0828								
7:00-----	24.5	.0265	.3572	8:30-----	3.67	.0040	.0928	May 7							
:20-----	26.9	.0291	.3665	12:00-----	3.54	.0038	.1065	a. m.							
:40-----	28.7	.0310	.3765					2:00-----	.91	.0010	.0190				
8:00-----	31.2	.0337	.3873	Apr. 24				7:00-----	.91	.0010	.0250				
:20-----	31.9	.0344	.3986	a. m.											
:25-----	31.9	.0344	.4015	12:00-----	3.02	.0033	.0420	May 8							
:40-----	31.9	.0344	.4101					a. m.							
9:00-----	30.0	.0324	.4212	p. m.				5:00-----	.86	.0009	.0045				
:20-----	28.1	.0303	.4316	12:00-----	2.80	.0030	.0792	8:00-----	.86	.0009	.0072				
:40-----	26.9	.0291	.4415					12:00-----	.81	.0009	.0108				
10:00-----	25.6	.0276	.4509	Apr. 25											
:20-----	24.5	.0265	.4599	a. m.											
:40-----	23.9	.0258	.4686	10:00-----	2.58	.0028	.0290								



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
May 11	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	May 18	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	May 24	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	May 27	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
p. m.				a. m.				a. m.				a. m.			
1:00-----	0.42	0.0004	0.0062	3:00-----	0.37	0.0004	0.0012	4:00-----	0.39	0.0004	0.0018	3:00-----	1.42	0.0015	0.0045
2:40-----	.39	.0004	.0069	8:00-----	.39	.0004	.0032	:20-----	.42	.0004	.0019	7:30-----	1.36	.0015	.0113
6:30-----	.37	.0004	.0084	11:00-----	.39	.0004	.0044	:40-----	.44	.0005	.0020				
12:00-----	.39	.0004	.0106					5:00-----	.46	.0005	.0022	p. m.			
May 12				p. m.				:20-----	.48	.0005	.0024	12:20-----	1.30	.0014	.0181
a. m.				1:20-----	.37	.0004	.0053	:40-----	.51	.0006	.0026	3:10-----	1.25	.0014	.0221
4:00-----	.42	.0004	.0018	3:30-----	.35	.0005	.0059	6:00-----	.54	.0006	.0028	5:30-----	1.20	.0013	.0254
7:00-----	.44	.0005	.0028	5:20-----	.33	.0004	.0066	:20-----	.60	.0006	.0030	8:00-----	1.15	.0012	.0284
9:00-----	.44	.0005	.0038	7:00-----	.31	.0003	.0073	:50-----	.67	.0007	.0033	10:30-----	1.10	.0012	.0314
11:30-----	.42	.0004	.0051	11:00-----	.29	.0003	.0085	7:00-----	.70	.0008	.0034	12:00-----	1.05	.0011	.0330
				12:00-----	.29	.0003	.0088	:20-----	.78	.0008	.0037				
								:40-----	.86	.0009	.0040				
				May 19				8:00-----	.95	.0010	.0043	May 28			
				a. m.				:20-----	1.10	.0012	.0047	a. m.			
				4:50-----	.31	.0003	.0014	:40-----	1.20	.0013	.0051	5:00-----	1.00	.0011	.0055
				10:00-----	.33	.0004	.0030	9:00-----	1.30	.0014	.0056	8:00-----	1.00	.0011	.0088
								:20-----	1.42	.0015	.0061	11:00-----	.95	.0010	.0118
				p. m.				:40-----	1.49	.0016	.0066				
				2:32-----	.31	.0003	.0048	10:00-----	1.63	.0018	.0072	p. m.			
				2:40-----	.31	.0003		:20-----	1.77	.0019	.0078	2:00-----	.91	.0010	.0148
				3:30-----	.33	.0004	.0052	:40-----	1.93	.0021	.0085	4:30-----	.86	.0009	.0170
				4:20-----	.35	.0004	.0056	11:00-----	2.10	.0023	.0092	7:00-----	.81	.0009	.0193
				5:10-----	.37	.0004	.0060	:20-----	2.28	.0025	.0100	10:00-----	.78	.0008	.0217
				6:30-----	.39	.0004	.0065	:40-----	2.37	.0026	.0109	12:00-----	.74	.0008	.0233
				7:00-----	.42	.0004	.0067	12:00-----	2.85	.0028	.0118				
				8:00-----	.44	.0005	.0072	p. m.							
				9:00-----	.46	.0005	.0077	12:20-----	2.80	.0030	.0128	May 29			
				10:00-----	.46	.0005	.0082	:40-----	3.15	.0034	.0139	a. m.			
				11:40-----	.44	.0005	.0090	1:00-----	3.41	.0037	.0151	3:20-----	.74	.0008	.0026
				12:00-----	.44	.0005	.0092	:20-----	3.83	.0041	.0164	8:00-----	.70	.0008	.0063
								:40-----	4.15	.0045	.0178	11:00-----	.70	.0008	.0087
				May 20				2:00-----	4.48	.0048	.0194				
				a. m.				:07-----	4.48	.0048	.0200	p. m.			
				1:20-----	.44	.0005	.0007	:20-----	4.66	.0050	.0208	3:30-----	.67	.0007	.0119
				3:20-----	.42	.0004	.0017	:40-----	4.84	.0052	.0225	4:55-----	.67	.0007	.0129
				5:20-----	.39	.0004	.0025	3:00-----	5.02	.0054	.0243	8:40-----	.67	.0007	.0155
				10:00-----	.37	.0004	.0044	:20-----	5.20	.0056	.0261	10:00-----	.70	.0008	.0166
				p. m.				:40-----	5.38	.0058	.0280	11:20-----	.74	.0008	.0177
				1:00-----	.35	.0004	.0056	4:00-----	5.58	.0060	.0300	12:00-----	.74	.0008	.0182
				3:30-----	.33	.0004	.0066	:40-----	5.78	.0062	.0341				
				5:20-----	.31	.0003	.0072	5:40-----	5.99	.0065	.0404				
				7:20-----	.29	.0003	.0078	7:00-----	5.78	.0062	.0489				
				9:40-----	.27	.0003	.0085	8:00-----	5.58	.0060	.0550				
				12:00-----	.27	.0003	.0092	9:00-----	5.38	.0058	.0609				
								10:00-----	5.20	.0056	.0666	May 30			
				May 21				:40-----	5.02	.0054	.0703	a. m.			
				p. m.				11:40-----	4.84	.0052	.0756	1:00-----	.78	.0008	.0008
				1:50-----	.27	.0003	.0005	12:00-----	4.66	.0050	.0773	2:00-----	.81	.0009	.0017
				3:30-----	.26	.0003	.0010	May 25				:40-----	.86	.0009	.0023
				5:00-----	.24	.0003	.0014	a. m.				3:10-----	.91	.0010	.0028
				6:40-----	.23	.0002	.0019	1:20-----	4.48	.0048	.0065	:40-----	.95	.0010	.0033
				8:40-----	.22	.0002	.0023	2:10-----	4.31	.0047	.0105	4:10-----	1.00	.0011	.0039
				12:00-----	.20	.0002	.0030	3:00-----	4.15	.0045	.0144	:30-----	1.05	.0011	.0043
				May 22				:40-----	3.99	.0043	.0173	5:00-----	1.10	.0012	.0049
				a. m.				4:10-----	3.83	.0041	.0194	:40-----	1.15	.0012	.0057
				5:20-----	.22	.0002	.0011	:40-----	3.67	.0040	.0235	6:30-----	1.20	.0013	.0067
				10:00-----	.23	.0002	.0020	5:10-----	3.54	.0038	.0267	7:30-----	1.25	.0014	.0081
				p. m.				6:00-----	3.41	.0037	.0305	8:40-----	1.30	.0014	.0097
				1:30-----	.23	.0002	.0027	7:00-----	3.28	.0035	.0341	9:10-----	1.36	.0015	.0104
				3:40-----	.22	.0002	.0031	8:00-----	3.15	.0034	.0363	10:00-----	1.42	.0015	.0116
				5:30-----	.20	.0002	.0035	:40-----	3.02	.0033	.0380	:30-----	1.49	.0016	.0124
				7:00-----	.19	.0002	.0038	9:10-----	2.91	.0031	.0407	11:10-----	1.56	.0017	.0135
				10:30-----	.18	.0003	.0049	10:00-----	2.80	.0030	.0443	12:00-----	1.63	.0018	.0150
				12:00-----	.18	.0003	.0053	p. m.							
				May 23				12:10-----	2.69	.0029	.0472	p. m.			
				a. m.				2:00-----	2.58	.0028	.0525	12:50-----	1.70	.0018	.0165
				12:30-----	.18	.0003	.0007	4:10-----	2.47	.0027	.0583	2:00-----	1.77	.0019	.0186
				6:30-----	.19	.0002	.0015	6:10-----	2.37	.0026	.0637	3:30-----	1.85	.0020	.0216
				11:00-----	.20	.0002	.0024	8:30-----	2.28	.0025	.0695	4:20-----	1.93	.0021	.0233
				p. m.				10:20-----	2.19	.0024	.0741	5:20-----	2.01	.0020	.0253
				1:00-----	.20	.0002	.0028	12:00-----	2.10	.0023	.0779	:50-----	2.10	.0023	.0264
				3:40-----	.22	.0002	.0033					6:10-----	2.19	.0024	.0272
				5:10-----	.23	.0002	.0036					:30-----	2.28	.0025	.0280
				6:20-----	.24	.0003	.0039					7:00-----	2.37	.0026	.0293
				7:20-----	.26	.0003	.0042					:20-----	2.58	.0028	.0302
				8:20-----	.27	.0003	.0045					:40-----	2.69	.0029	.0311
				10:00-----	.29	.0003	.0050					8:00-----	2.91	.0031	.0321
				12:00-----	.31	.0003	.0056					:20-----	3.02	.0033	.0332
				May 24				a. m.				:40-----	3.28	.0035	.0343
				a. m.				3:00-----	2.01	.0022	.0069	9:00-----	3.41	.0037	.0355
				2:00-----	.33	.0004	.0006	6:00-----	1.93	.0021	.0132	:20-----	3.54	.0038	.0367
				3:00-----	.35	.0004	.0010	9:00-----	1.85	.0020	.0195	:40-----	3.83	.0041	.0380
				:30-----	.37	.0004	.0016	12:00-----	1.77	.0019	.0252	10:00-----	3.99	.0043	.0394
								p. m.				:20-----	4.15	.0045	.0409
								3:00-----	1.70	.0018	.0306	:40-----	4.31	.0047	.0424
								5:30-----	1.63	.0018	.0351	11:00-----	4.48	.0048	.0440
								8:20-----	1.56	.0017	.0399	:30-----	4.66	.0050	.0465
								11:30-----	1.49	.0016	.0450	12:00-----	4.84	.0052	.0490
								12:00-----	1.49	.0016	.0453				



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by day
May 31															
a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches
12:30	5.02	0.0054	0.0027	5:00	0.63	0.0007	0.0035	2:40	9.66	0.0104	0.0111	4:40	4.84	0.0052	0.0264
1:50	5.20	.0056	.0045	10:30	.63	.0007	.0074	5:40	9.38	.0101	.0134	5:30	5.02	.0054	.0299
5:50	5.20	.0056	.0269	11:20	.63	.0007	.0080	3:00	9.66	.0104	.0144	6:20	5.20	.0056	.0345
7:30	5.02	.0054	.0361	12:00	.67	.0007	.0085	3:08	10.8	.0114	.0158	8:20	5.20	.0056	.0401
9:20	4.84	.0052	.0458					3:20	10.2	.0110	.0180	9:40	5.02	.0054	.0474
11:10	4.66	.0050	.0551					3:30	9.94	.0107	.0198	10:40	4.84	.0054	.0528
								3:40	8.56	.0092	.0215	11:40	4.66	.0050	.0580
p. m.				p. m.				4:00	6.64	.0072	.0242				
12:40	4.48	.0048	.0625	12:20	.70	.0008	.0088	4:00	5.58	.0060	.0264				
2:00	4.31	.0047	.0689	1:40	.74	.0008	.0091	4:00	4.84	.0052	.0283	12:30	4.48	.0048	.0621
3:00	4.15	.0045	.0735	1:00	.78	.0008	.0094	4:20	4.31	.0047	.0300	1:50	4.48	.0048	.0637
4:20	3.99	.0043	.0779	2:00	.86	.0009	.0097	4:40	3.83	.0041	.0315	2:00	4.31	.0047	.0661
5:40	3.83	.0041	.0821	2:40	.75	.0010	.0100	5:00	3.41	.0037	.0328	3:00	4.48	.0048	.0677
6:50	3.67	.0040	.0869	3:00	1.05	.0011	.0103	5:20	3.15	.0034	.0340	4:00	4.66	.0050	.0681
8:20	3.54	.0038	.0927	3:20	1.20	.0013	.0107	6:00	2.91	.0031	.0351	4:40	5.99	.0065	.0684
9:50	3.41	.0037	.0984	3:50	1.25	.0014	.0111	7:00	2.80	.0030	.0361	5:00	7.81	.0084	.0686
11:40	3.23	.0035	.1050	4:00	1.30	.0014	.0112	8:00	2.69	.0029	.0371	5:20	10.5	.0113	.0689
12:00	3.28	.0035	.1062	4:20	1.30	.0014	.0117	9:00	2.47	.0027	.0385	5:40	13.9	.0150	.0693
				4:40	1.25	.0014	.0122	10:00	2.37	.0026	.0399	5:56	17.1	.0185	.0699
June 1															
a. m.				a. m.				a. m.				a. m.			
1:00	3.15	.0034	.0034	5:00	.95	.0010	.0137	1:00	1.63	.0018	.0508	2:00	31.9	.0344	.0714
3:00	3.02	.0033	.0102	6:00	.86	.0009	.0145	2:00	1.56	.0017	.0525	3:00	29.3	.0316	.0764
4:40	2.91	.0031	.0155	7:40	.81	.0009	.0149	3:00	1.42	.0015	.0541	4:00	32.6	.0352	.0819
6:30	2.80	.0030	.0210	8:20	.78	.0008	.0154	4:00	1.36	.0015	.0551	5:00	37.0	.0400	.0936
9:30	2.69	.0029	.0300	9:00	.74	.0008	.0162	5:00	1.49	.0016	.0565	6:00	37.0	.0400	.1001
12:00	2.58	.0028	.0370	11:00	.70	.0008	.0173	6:00	1.56	.0017	.0583	7:00	32.6	.0352	.1067
				12:00	.67	.0007	.0187	7:00	1.70	.0018	.0592	8:00	25.0	.0270	.1171
p. m.								8:00	1.63	.0018	.0609	9:00	19.7	.0213	.1251
3:00	2.47	.0027	.0454					9:00	1.49	.0016	.0618	10:00	16.6	.0179	.1316
5:40	2.37	.0026	.0523					10:00	1.42	.0015	.0630	11:00	14.6	.0158	.1372
9:20	2.28	.0025	.0618					11:00	1.36	.0015	.0645	12:00	13.1	.0141	.1422
12:00	2.19	.0024	.0682					12:00	1.30	.0014	.0662		11.7	.0126	.1467
													11.1	.0120	.1508
June 2															
a. m.				a. m.				a. m.				a. m.			
5:00	2.10	.0023	.0115	3:40	.67	.0007	.0026	1:00	1.56	.0017	.0609	6:00	10.8	.0117	.1548
10:00	2.01	.0022	.0225	6:50	.63	.0007	.0048	2:00	1.42	.0015	.0630	7:00	10.5	.0113	.1586
				8:20	.67	.0007	.0059	3:00	1.36	.0015	.0645	8:00	10.2	.0110	.1622
p. m.				10:30	.63	.0007	.0074	4:00	1.30	.0014	.0662	9:00	9.94	.0107	.1693
2:00	1.93	.0021	.0313	12:00	.60	.0006	.0083	5:00	1.20	.0013	.0683	10:00	8.82	.0095	.1729
4:30	1.85	.0020	.0363					6:00	1.15	.0012	.0699	11:00	8.31	.0090	.1777
7:00	1.77	.0019	.0392					7:00	1.15	.0012	.0715	12:00	7.81	.0084	.1821
9:20	1.70	.0018	.0434					8:00	1.25	.0014	.0733		7.33	.0079	.1869
12:00	1.63	.0018	.0482					9:20	1.20	.0013	.0751		7.00	.0076	.1917
								11:20	1.20	.0013	.0155				
June 3															
a. m.				a. m.				a. m.				a. m.			
5:00	1.56	.0017	.0085	1:00	.57	.0006	.0089	1:00	1.15	.0012	.0769	12:50	6.87	.0074	.1974
8:00	1.56	.0017	.0136	2:38	.54	.0006	.0099	2:00	1.15	.0012	.0785	1:00	6.64	.0072	.2026
p. m.				4:00	.57	.0006	.0100	3:00	1.20	.0013	.0803	2:00	6.41	.0069	.2085
12:30	1.49	.0016	.0213	5:20	.74	.0008	.0101	4:00	1.20	.0013	.0821	3:00	6.18	.0066	.2151
4:00	1.42	.0015	.0266	6:00	.78	.0008	.0104	5:00	1.15	.0012	.0840	4:00	5.99	.0065	.2216
6:30	1.36	.0015	.0304	7:00	.86	.0009	.0107	6:00	1.15	.0012	.0858	5:00	5.78	.0062	.2280
9:30	1.30	.0014	.0349	8:00	1.00	.0011	.0109	7:00	1.15	.0012	.0876	6:00	5.58	.0060	.2340
12:00	1.25	.0014	.0384	9:00	1.05	.0011	.0111	8:00	1.15	.0012	.0894	7:00	5.38	.0058	.2398
				10:00	1.30	.0014	.0111	9:00	1.15	.0012	.0912	8:00	5.18	.0054	.2452
June 4															
a. m.				a. m.				a. m.				a. m.			
4:00	1.20	.0013	.0052	10:00	1.30	.0014	.0137	1:00	1.15	.0012	.0929	1:00	4.98	.0052	.2504
8:30	1.15	.0012	.0106	11:20	1.20	.0013	.0149	2:00	1.15	.0012	.0947	2:00	4.82	.0050	.2556
12:00	1.10	.0012	.0148	12:00	1.10	.0012	.0162	3:00	1.20	.0013	.0965	3:00	4.66	.0048	.2608
p. m.								4:00	1.25	.0014	.0983	4:00	4.50	.0046	.2660
2:20	1.00	.0011	.0174					5:00	1.30	.0014	.1001	5:00	4.34	.0044	.2712
4:00	.95	.0010	.0192					6:00	1.36	.0015	.1019	6:00	4.18	.0042	.2764
6:00	.91	.0010	.0212					7:00	1.42	.0015	.1037	7:00	4.02	.0040	.2816
8:40	.91	.0010	.0239					8:00	1.49	.0016	.1055	8:00	3.86	.0038	.2868
11:40	.95	.0010	.0269					9:00	1.56	.0017	.1073	9:00	3.70	.0036	.2920
12:00	.95	.0010	.0272					10:00	1.63	.0018	.1091	10:00	3.54	.0034	.2972
								11:00	1.70	.0018	.1109	11:00	3.38	.0032	.3024
June 5															
a. m.				a. m.				a. m.				a. m.			
11:00	.95	.0010	.0110	3:40	1.10	.0012	.0004	1:00	1.56	.0017	.1127	1:00	3.22	.0030	.3076
p. m.				4:40	1.10	.0012	.0019	2:00	1.63	.0018	.1145	2:00	3.06	.0028	.3128
3:00	.91	.0010	.0150	5:40	1.15	.0012	.0020	3:00	1.70	.0018	.1163	3:00	2.90	.0026	.3180
5:40	.86	.0009	.0174	6:40	1.20	.0013	.0021	4:00	1.77	.0019	.1181	4:00	2.74	.0024	.3232
8:20	.81	.0009	.0198	7:40	1.25	.0014	.0022	5:00	1.84	.0020	.1200	5:00	2.58	.0022	.3284
12:00	.78	.0008	.0231	8:40	1.30	.0014	.0023	6:00	1.91	.0021	.1218	6:00	2.42	.0020	.3336
				9:00	1.35	.0015	.0024	7:00	2.00	.0022	.1236	7:00	2.26	.0018	.3388
June 6															
a. m.				a. m.				a. m.				a. m.			
11:00	.74	.0008	.0088	12:20	1.30	.0014	.0024	1:00	1.98	.0022	.1254	1:00	2.10	.0016	.3440
p. m.				1:40	1.35	.0014	.0025	2:00	2.05	.0023	.1272	2:00	1.94	.0014	.3492
3:50	.70	.0008	.0119	2:40	1.40	.0015	.0026	3:00	2.12	.0024	.1290	3:00	1.78	.0012	.3544
8:00	.67	.0007	.0148												



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 13	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	June 18	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	June 22	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	June 25	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>			
5:20-----	4.15	0.0045	0.1080	4:30-----	66.3	0.0716	0.0584	3:20-----	1.49	0.0016	0.0256	4:44-----	38.4	0.0415	0.0426
6:30-----	3.99	.0043	.1131	:35-----	66.3	.0716	.0643	8:00-----	1.42	.0015	.0326	:50-----	46.0	.0497	.0472
7:30-----	3.83	.0041	.1173	:40-----	65.2	.0704	.0702	12:00-----	1.42	.0015	.0386	:56-----	49.7	.0537	.0524
9:00-----	3.67	.0040	.1233	:44-----	64.1	.0692	.0749					5:00-----	49.7	.0537	.0560
10:50-----	3.54	.0038	.1304	:50-----	65.2	.0704	.0819	June 23				:04-----	48.7	.0526	.0596
12:00-----	3.54	.0038	.1348	5:00-----	59.7	.0645	.0931	<i>a. m.</i>				:10-----	50.6	.0546	.0650
June 14				:10-----	49.7	.0537	.1030	9:00-----	1.42	.0015	.0135	:20-----	63.0	.0680	.0752
<i>a. m.</i>				:20-----	38.4	.0415	.1109					:24-----	65.2	.0704	.0798
1:00-----	3.41	.0037	.0038	:30-----	31.9	.0344	.1172					:30-----	61.9	.0669	.0867
3:00-----	3.28	.0035	.0110	:40-----	26.9	.0291	.1217	<i>p. m.</i>				:40-----	49.7	.0537	.0968
6:00-----	3.15	.0034	.0212	:50-----	23.4	.0253	.1262	1:00-----	1.36	.0015	.0195	:50-----	39.2	.0423	.1048
9:00-----	3.02	.0033	.0314	6:00-----	20.8	.0225	.1302	3:30-----	1.30	.0014	.0233	:55-----	34.1	.0368	.1081
<i>p. m.</i>				:20-----	17.1	.0185	.1370	5:40-----	1.25	.0014	.0263	6:00-----	30.0	.0324	.1110
12:30-----	2.91	.0031	.0426	:40-----	14.6	.0158	.1427	7:53-----	1.20	.0013	.0292	:05-----	26.9	.0291	.1135
2:00-----	2.80	.0030	.0501	7:00-----	12.8	.0138	.1476	8:20-----	1.20	.0013	.0298	:10-----	23.9	.0259	.1158
4:20-----	2.69	.0029	.0541	:20-----	11.7	.0126	.1520	:40-----	1.30	.0014	.0303	:20-----	20.8	.0225	.1198
7:20-----	2.58	.0028	.0625	:40-----	10.8	.0117	.1560	:48-----	1.42	.0015	.0305	:30-----	18.4	.0199	.1233
12:00-----	2.58	.0028	.0755	:50-----	10.5	.0113	.1579	:40-----	1.77	.0019	.0306	:40-----	17.5	.0189	.1265
June 15				8:00-----	10.5	.0113	.1598	:52-----	2.37	.0026	.0307	:44-----	17.1	.0185	.1278
<i>a. m.</i>				9:30-----	10.2	.0110	.1766	:53-----	3.02	.0033	.0308	:50-----	17.9	.0193	.1297
3:00-----	2.47	.0027	.0081	11:00-----	9.94	.0107	.1928	:54-----	4.48	.0048	.0308	:58-----	17.9	.0193	.1323
8:00-----	2.37	.0026	.0216	12:00-----	9.38	.0101	.2032	:55-----	6.20	.0067	.0309	7:00-----	18.4	.0199	.1329
10:40-----	2.37	.0026	.0285	June 19				:56-----	7.81	.0084	.0310	:10-----	19.3	.0208	.1363
<i>p. m.</i>				<i>a. m.</i>				:58-----	10.8	.0084	.0313	:28-----	18.8	.0203	.1425
2:00-----	2.28	.0025	.0372	12:40-----	9.10	.0098	.0066	9:00-----	14.6	.0158	.0317	:44-----	18.8	.0203	.1479
4:20-----	2.19	.0024	.0428	1:30-----	8.82	.0095	.0146	:06-----	17.1	.0185	.0334	8:00-----	17.9	.0193	.1531
6:40-----	2.10	.0023	.0482	2:10-----	8.56	.0092	.0208	:10-----	16.2	.0175	.0346	:20-----	16.2	.0175	.1592
9:30-----	2.01	.0022	.0547	2:50-----	8.31	.0090	.0268	:20-----	13.9	.0150	.0373	:40-----	14.2	.0153	.1647
12:00-----	2.01	.0022	.0602	4:00-----	7.81	.0084	.0369	:30-----	12.8	.0138	.0397	9:00-----	12.8	.0138	.1695
June 16				5:00-----	7.56	.0082	.0452	:40-----	16.2	.0175	.0423	:20-----	11.7	.0126	.1739
<i>a. m.</i>				:50-----	7.33	.0079	.0519	:48-----	17.9	.0193	.0447	:40-----	11.1	.0120	.1780
12:40-----	2.01	.0022	.0015	6:40-----	7.10	.0077	.0584	10:00-----	16.2	.0175	.0484	10:00-----	10.5	.0113	.1819
5:20-----	1.93	.0021	.0113	7:30-----	6.87	.0074	.0646	:20-----	12.8	.0138	.0510	:15-----	10.2	.0110	.1847
10:20-----	1.85	.0020	.0213	8:20-----	6.64	.0072	.0707	:30-----	11.4	.0123	.0532	12:00-----	9.94	.0107	.2036
<i>p. m.</i>				9:00-----	6.41	.0069	.0754	:40-----	10.2	.0110	.0552	June 26			
1:20-----	1.77	.0019	.0289	10:00-----	6.20	.0067	.0822	11:00-----	9.94	.0107	.0588	<i>a. m.</i>			
6:00-----	1.63	.0018	.0378	10:40-----	6.20	.0067	.0877	:30-----	9.66	.0104	.0641	1:00-----	9.66	.0104	.0106
8:20-----	1.56	.0017	.0418	June 20				12:00-----	9.10	.0098	.0692	2:00-----	9.38	.0101	.0208
12:00-----	1.56	.0017	.0480	<i>p. m.</i>								:40-----	9.10	.0098	.0275
June 17				12:30-----	5.58	.0060	.0919	June 24				3:40-----	8.82	.0095	.0371
<i>a. m.</i>				1:20-----	5.38	.0058	.0968	<i>a. m.</i>				4:20-----	8.56	.0092	.0432
4:00-----	1.49	.0016	.0068	2:10-----	5.20	.0056	.1015	1:00-----	8.31	.0090	.0094	5:00-----	8.31	.0090	.0492
9:00-----	1.42	.0015	.0143	3:00-----	5.02	.0054	.1060	:30-----	7.81	.0084	.0138	:50-----	8.06	.0087	.0565
<i>p. m.</i>				4:00-----	4.84	.0052	.1113	2:00-----	7.33	.0079	.0179	6:40-----	7.81	.0084	.0637
1:30-----	1.36	.0015	.0211	:40-----	4.66	.0050	.1147	:40-----	6.87	.0074	.0231	7:20-----	7.56	.0082	.0693
6:00-----	1.30	.0014	.0279	5:30-----	4.48	.0048	.1188	3:10-----	6.41	.0069	.0267	8:10-----	7.33	.0079	.0760
11:00-----	1.25	.0014	.0349	6:20-----	4.31	.0047	.1228	4:00-----	5.99	.0065	.0323	9:00-----	7.10	.0077	.0825
12:00-----	1.25	.0014	.0363	7:00-----	4.15	.0045	.1259	:40-----	5.58	.0060	.0364	10:00-----	6.87	.0074	.0900
June 18				:50-----	3.99	.0043	.1296	5:00-----	5.38	.0058	.0384	:50-----	6.64	.0072	.0961
<i>a. m.</i>				8:50-----	3.83	.0041	.1338	6:00-----	5.02	.0054	.0440	11:40-----	6.41	.0069	.1019
1:30-----	1.25	.0014	.0021	9:40-----	3.67	.0040	.1372	7:00-----	4.66	.0050	.0492	<i>p. m.</i>			
6:30-----	1.20	.0013	.0086	10:40-----	3.54	.0038	.1411	8:00-----	4.31	.0047	.0540	1:30-----	5.99	.0065	.1142
7:52-----	1.20	.0013	.0104	12:00-----	3.41	.0037	.1462	9:00-----	3.99	.0043	.0585	4:00-----	5.58	.0060	.1297
8:30-----	1.25	.0014	.0112	June 21				10:10-----	3.83	.0041	.0634	5:30-----	5.38	.0058	.1386
9:40-----	1.25	.0014	.0128	<i>a. m.</i>				11:30-----	3.54	.0038	.0686	7:00-----	5.20	.0056	.1472
10:40-----	1.30	.0014	.0142	1:30-----	3.28	.0035	.0054	<i>p. m.</i>				9:00-----	5.02	.0054	.1582
11:00-----	1.36	.0015	.0147	3:00-----	3.15	.0034	.0105	12:30-----	3.41	.0037	.0724	11:00-----	4.84	.0052	.1688
:40-----	1.42	.0015	.0157	4:40-----	3.02	.0033	.0162	2:30-----	3.28	.0035	.0796	12:00-----	4.84	.0052	.1740
12:00-----	1.49	.0016	.0162	6:30-----	2.91	.0031	.0221	4:00-----	3.15	.0034	.0849	June 27			
June 19				8:50-----	2.80	.0030	.0293	5:20-----	3.02	.0033	.0894	<i>a. m.</i>			
<i>a. m.</i>				11:00-----	2.69	.0029	.0356	6:30-----	2.91	.0031	.0931	1:30-----	4.66	.0050	.0077
1:30-----	1.36	.0015	.0211	<i>p. m.</i>				7:30-----	2.80	.0030	.0962	3:30-----	4.48	.0048	.0175
6:00-----	1.30	.0014	.0279	1:10-----	2.58	.0028	.0419	8:20-----	2.69	.0029	.0986	5:40-----	4.31	.0047	.0279
11:00-----	1.25	.0014	.0349	2:50-----	2.47	.0027	.0464	9:40-----	2.58	.0028	.1025	7:30-----	4.15	.0045	.0363
12:00-----	1.25	.0014	.0363	4:40-----	2.37	.0026	.0513	11:00-----	2.47	.0027	.1062	9:20-----	3.99	.0043	.0444
June 20				6:30-----	2.28	.0025	.0559	12:00-----	2.37	.0026	.1089	11:00-----	3.83	.0041	.0514
<i>a. m.</i>				8:00-----	2.19	.0024	.0597	June 25				<i>p. m.</i>			
1:30-----	1.25	.0014	.0021	10:20-----	2.10	.0023	.0651	<i>a. m.</i>				12:30-----	3.67	.0040	.0574
6:30-----	1.20	.0013	.0086	12:00-----	2.01	.0022	.0689	1:00-----	2.37	.0026	.0026	2:00-----	3.54	.0038	.0633
7:52-----	1.20	.0013	.0104	June 21				3:30-----	2.28	.0025	.0089	3:40-----	3.41	.0037	.0696
8:30-----	1.25	.0014	.0112	<i>a. m.</i>				6:20-----	2.19	.0024	.0160	5:00-----	3.28	.0035	.0744
9:40-----	1.25	.0014	.0128	3:00-----	2.01	.0022	.0066	9:20-----	2.10	.0023	.0229	7:00-----	3.15	.0034	.0812
10:40-----	1.30	.0014	.0142	8:00-----	1.93	.0021	.0176	<i>p. m.</i>				9:00-----	3.02	.0033	.0880
11:00-----	1.36	.0015	.0147	11:00-----	1.93	.0021	.0239	12:20-----	2.01	.0022	.0298	11:00-----	2.91	.0031	.0944
:40-----	1.42	.0015	.0157	<i>p. m.</i>				2:30-----	1.93	.0021	.0343	12:00-----	2.91	.0031	.0975
12:00-----	1.49	.0016	.0162	3:50-----	1.85	.0020	.0313	:38-----	1.93	.0021	.0346	June 28			
June 21				4:00-----	1.85	.0020	.0313	4:00-----	1.93	.0021	.0375	<i>a. m.</i>			
<i>a. m.</i>				6:40-----	1.77	.0019	.0351	:26-----	2.10	.0023	.0382	2:00-----	2.80	.0030	.0060
1:30-----	1.25	.0014	.0021	9:00-----	1.63	.0018	.0434	:20-----	2.19	.0024	.0384	6:30-----	2.69	.0029	.0195
6:30-----	1.20	.0013	.0086	11:20-----	1.56	.0017	.0474	:32-----	3.83	.0041	.0387	8:00-----	2.69	.0029	.0240
7:52-----	1.20	.0013	.0104	12:00-----	1.56	.0017	.0485	:35-----	5.58	.0060	.0389	:10-----	2.69	.0029	.0245
8:30-----	1.25	.0014	.0112	June 22				:36-----	7.33	.0079	.0390	:40-----	2.80	.0030	.0260
9:40-----	1.25	.0014	.0128	<i>a. m.</i>				:37-----	9.94	.0107					



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 28	Second-foot	Inches per hour	Inches	June 30	Second-foot	Inches per hour	Inches	July 3	Second-foot	Inches per hour	Inches	July 11	Second-foot	Inches per hour	Inches
a. m.				p. m.				p. m.				p. m.			
8:52-----	18.4	0.0199	0.0278	5:00-----	3.28	0.0035	0.0692	8:00-----	2.80	0.0030	0.0738	1:00-----	0.63	0.0007	0.0083
:56-----	21.8	.0235	.0293	:40-----	3.41	.0037	.0716	11:00-----	2.69	.0029	.0828	4:00-----	.60	.0006	.0104
9:00-----	23.9	.0258	.0310	6:10-----	3.54	.0038	.0735	12:00-----	2.58	.0028	.0857	5:00-----	.60	.0006	.0110
:06-----	26.2	.0283	.0337	:40-----	3.67	.0040	.0754					:40-----	.63	.0007	.0114
:10-----	25.0	.0270	.0355	7:00-----	3.83	.0041	.0768	July 4				6:00-----	.67	.0007	.0116
:20-----	21.3	.0230	.0397	:20-----	4.15	.0045	.0782	a. m.				:40-----	.78	.0008	.0121
:25-----	22.4	.0242	.0417	:40-----	4.66	.0050	.0797	5:00-----	2.58	.0028	.0140	7:00-----	.86	.0009	.0124
:30-----	25.6	.0276	.0438	:40-----	5.20	.0056	.0815	9:00-----	2.47	.0027	.0252	:20-----	1.00	.0011	.0127
:35-----	30.6	.0330	.0463	:10-----	5.58	.0060	.0825					:40-----	1.15	.0012	.0131
:40-----	38.4	.0415	.0494	:20-----	5.58	.0060	.0835	p. m.				8:00-----	1.25	.0014	.0135
:45-----	49.7	.0537	.0533	:40-----	5.38	.0058	.0855	2:00-----	2.37	.0026	.0382	:20-----	1.36	.0015	.0140
:50-----	65.2	.0704	.0585	9:00-----	5.20	.0056	.0874	4:00-----	2.28	.0025	.0432	:40-----	1.49	.0016	.0145
:56-----	74.4	.0804	.0660	:40-----	5.20	.0056	.0893	6:30-----	2.19	.0024	.0492	9:00-----	1.56	.0017	.0151
10:00-----	67.4	.0728	.0711	10:25-----	5.02	.0054	.0934	9:00-----	2.10	.0023	.0549	:20-----	1.63	.0018	.0157
:12-----	66.3	.0716	.0856	:40-----	5.20	.0056	.0948	12:00-----	2.01	.0022	.0618	10:00-----	1.70	.0018	.0169
:20-----	67.4	.0728	.0952	11:00-----	5.99	.0065	.0968					12:00-----	1.70	.0018	.0205
:28-----	67.4	.0728	.1049	:20-----	6.87	.0074	.0991	July 5							
:40-----	61.9	.0669	.1189	:40-----	8.56	.0092	.1019	a. m.				July 12			
11:00-----	48.7	.0526	.1388	12:00-----	10.8	.0017	.1037	4:00-----	2.01	.0022	.0088	a. m.			
:15-----	41.8	.0451	.1510					9:00-----	1.93	.0021	.0193	1:30-----	1.63	.0018	.0027
:20-----	38.4	.0415	.1546	July 1								3:20-----	1.56	.0017	.0060
:40-----	31.2	.0337	.1671	a. m.				p. m.				5:40-----	1.42	.0015	.0097
12:00-----	25.6	.0276	.1773	12:10-----	12.1	.0131	.0022	1:00-----	1.85	.0020	.0273	6:40-----	1.36	.0015	.0112
				:20-----	13.1	.0141	.0045	3:30-----	1.77	.0019	.0321	7:40-----	1.30	.0014	.0127
12:20-----	25.0	.0270	.1864	:40-----	15.7	.0170	.0097	5:30-----	1.70	.0018	.0359	9:00-----	1.20	.0013	.0144
:40-----	23.9	.0258	.1952	1:00-----	18.4	.0199	.0159	7:30-----	1.63	.0018	.0395	11:00-----	1.15	.0012	.0168
1:00-----	20.2	.0218	.2031	:20-----	20.2	.0218	.0228	10:00-----	1.56	.0017	.0438				
:20-----	17.9	.0193	.2099	:30-----	20.8	.0225	.0365	12:00-----	1.56	.0017	.0472	p. m.			
:35-----	17.5	.0189	.2147	:40-----	21.3	.0230	.0303					12:40-----	1.10	.0012	.0188
:40-----	17.1	.0185	.2163	:50-----	21.8	.0235	.0342	July 6				2:00-----	1.05	.0011	.0204
2:00-----	15.7	.0170	.2222	2:00-----	21.3	.0230	.0381	a. m.				3:20-----	1.00	.0011	.0220
:20-----	14.9	.0161	.2277	:05-----	20.8	.0225	.0400	5:00-----	1.49	.0016	.0080	5:30-----	.91	.0010	.0242
:40-----	13.9	.0150	.2329	:20-----	20.2	.0218	.0455	10:00-----	1.49	.0016	.0160	8:00-----	.81	.0009	.0267
3:00-----	13.5	.0146	.2378	:35-----	19.7	.0213	.0508					9:30-----	.78	.0008	.0279
:20-----	12.4	.0134	.2425	:45-----	19.7	.0213	.0543	p. m.				11:00-----	.74	.0008	.0291
:40-----	11.7	.0126	.2468	3:00-----	18.8	.0203	.0595	1:30-----	1.42	.0015	.0216	12:00-----	.70	.0008	.0299
4:00-----	11.4	.0123	.2509	:20-----	17.5	.0189	.0660	3:30-----	1.36	.0015	.0246				
:20-----	10.8	.0117	.2549	:40-----	16.2	.0175	.0721	6:00-----	1.30	.0014	.0281	a. m.			
:40-----	10.2	.0110	.2587	4:00-----	15.3	.0165	.0778	8:00-----	1.25	.0014	.0309	5:00-----	.67	.0007	.0040
5:00-----	9.94	.0107	.2623	:40-----	14.6	.0158	.0886	11:00-----	1.20	.0013	.0348	9:00-----	.63	.0007	.0068
:20-----	9.66	.0104	.2658	5:00-----	13.5	.0146	.0937	12:00-----	1.20	.0013	.0361				
:40-----	9.38	.0101	.2692	:20-----	12.8	.0138	.0984	July 7				p. m.			
6:00-----	9.10	.0098	.2725	:40-----	12.4	.0134	.1029	p. m.				2:00-----	.60	.0006	.0098
:20-----	8.82	.0095	.2757	6:00-----	12.1	.0131	.1073	1:00-----	1.20	.0013	.0169	4:00-----	.57	.0006	.0110
:40-----	8.56	.0092	.2788	7:00-----	11.1	.0120	.1198	3:30-----	1.15	.0012	.0202	6:00-----	.54	.0006	.0122
7:00-----	8.31	.0090	.2818	8:00-----	10.2	.0110	.1313	6:00-----	1.10	.0012	.0232	8:00-----	.51	.0006	.0134
:30-----	8.06	.0087	.2862	9:00-----	9.66	.0104	.1420	8:00-----	1.05	.0011	.0254	12:00-----	.49	.0005	.0154
8:00-----	7.81	.0084	.2905	10:00-----	9.38	.0101	.1523	12:00-----	1.05	.0011	.0298	July 14			
:40-----	7.56	.0082	.2960	12:00-----	8.82	.0095	.1719	July 8				a. m.			
9:20-----	7.33	.0079	.3014	p. m.				July 8				12:00-----	.49	.0005	.0060
10:30-----	6.87	.0074	.3103	1:00-----	8.56	.0092	.1812	p. m.							
12:00-----	6.64	.0072	.3213	:30-----	8.31	.0090	.1857	1:00-----	1.05	.0011	.0143	p. m.			
June 29				2:30-----	8.06	.0087	.1946	4:00-----	1.00	.0011	.0176	5:00-----	.46	.0005	.0085
a. m.				3:10-----	7.81	.0084	.2003	7:00-----	.95	.0010	.0209	10:00-----	.44	.0005	.0110
1:30-----	6.20	.0067	.0105	5:00-----	7.33	.0079	.2151	10:00-----	.91	.0010	.0239	12:00-----	.44	.0005	.0120
2:50-----	5.99	.0065	.0193	7:00-----	6.87	.0074	.2305	12:00-----	.91	.0010	.0259				
4:00-----	5.78	.0062	.0266	8:00-----	6.64	.0072	.2378	July 9				July 15			
5:30-----	5.58	.0060	.0357	9:30-----	6.41	.0069	.2483	a. m.				2:00-----	.44	.0005	.0010
7:00-----	5.38	.0058	.0447	11:00-----	6.20	.0067	.2585	12:00-----	.91	.0010	.0120	7:00-----	.42	.0004	.0035
8:40-----	5.20	.0056	.0542	12:00-----	6.20	.0067	.2652								
10:30-----	5.02	.0054	.0643	July 2				p. m.							
				a. m.				3:00-----	.86	.0009	.0147	July 16			
p. m.				1:00-----	5.99	.0065	.0066	6:00-----	.81	.0009	.0174	a. m.			
:20-----	4.84	.0052	.0796	2:30-----	5.78	.0062	.0162	10:00-----	.78	.0008	.0210	3:00-----	.37	.0004	.0012
:40-----	5.02	.0054	.0831	5:00-----	5.58	.0060	.0314	12:00-----	.78	.0008	.0226	7:00-----	.39	.0004	.0028
:20-----	5.20	.0056	.0849	7:30-----	5.38	.0058	.0462								
:40-----	5.38	.0058	.0868	10:30-----	5.20	.0056	.0633	July 10				p. m.			
3:00-----	5.38	.0058	.0887					a. m.				4:00-----	.39	.0004	.0064
:40-----	5.20	.0054	.0924	p. m.				3:00-----	.74	.0008	.0120	7:00-----	.37	.0004	.0076
4:00-----	5.20	.0056	.0942	1:00-----	5.02	.0054	.0770	4:00-----	.70	.0008	.0136	11:00-----	.35	.0004	.0092
:40-----	5.02	.0054	.0979	3:00-----	4.84	.0052	.0876	7:00-----	.67	.0007	.0150	12:00-----	.35	.0004	.0096
5:10-----	4.84	.0052	.1006	5:00-----	4.66	.0050	.0978	10:00-----	.63	.0007	.0171				
6:00-----	4.66	.0050	.1049	7:00-----	4.48	.0048	.1076	12:00-----	.60	.0006	.0185	July 17			
7:40-----	4.48	.0048	.1131	9:30-----	4.31	.0047	.1196					a. m.			
10:00-----	4.31	.0047	.1243	12:00-----	4.15	.0045	.1311	July 11				4:00-----	.35	.0004	.0016
12:00-----	4.31	.0047	.1337	July 3				a. m.				9:00-----	.33	.0004	.0036
				a. m.				3:00-----	.74	.0008	.0120				
June 30				2:00-----	3.99	.0043	.0088	4:00-----	.70	.0008	.0136				
a. m.				4:00-----	3.83	.0041	.0172	7:00-----	.67	.0007	.0150				
1:40-----	4.15	.0045	.0077	6:00-----	3.67	.0040	.0252	10:00-----	.63	.0007	.0171				
5:30-----	3.99	.0043	.0246	8:00-----	3.54	.0038	.0330	12:00-----	.60	.0006	.0185				
9:30-----	3.83	.0041	.0414	10:00-----	3.41	.0037	.0404								
11:00-----	3.67	.0040	.0474	12:00-----	3.28	.0035	.0476								
12:00-----	3.54	.0038	.0513					July 11							
				p. m.				a. m.							
p. m.				2:00-----	3.15	.0034	.0546	4:00-----	.60	.0006	.0024				
1:00-----	3.41	.0037	.0551	4:00-----	3.02	.0033	.0612	8:00-----	.63	.0007	.0048				
2:40-----	3.28	.0035	.0611	6:00-----	2.91	.0031	.0676								
3:15-----	3.28	.0035	.0631												



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
July 17				July 22				July 23				July 26			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
2:00-----	0.33	0.0004	0.0056	6:05-----	5.58	0.0060	0.0344	7:55-----	1.70	0.0018	0.0862	6:46-----	1.42	0.0015	0.0105
6:30-----	.31	.0003	.0069	:10-----	5.38	.0058	.0349	8:00-----	2.10	.0023	.0864	:50-----	1.63	.0018	.0106
9:30-----	.29	.0003	.0078	:20-----	4.84	.0052	.0358	:10-----	2.19	.0024	.0868	:55-----	1.70	.0008	.0108
12:00-----	.27	.0003	.0086	:40-----	4.31	.0047	.0375	:20-----	2.10	.0023	.0872	7:05-----	1.70	.0018	.0111
				:50-----	4.84	.0052	.0383	:30-----	2.28	.0025	.0876	:15-----	1.93	.0021	.0114
				7:00-----	4.84	.0052	.0392	:35-----	2.80	.0030	.0878	:20-----	2.37	.0026	.0116
				:20-----	4.15	.0045	.0408	:40-----	3.41	.0037	.0881	:22-----	3.28	.0035	.0117
				:40-----	3.28	.0035	.0421	:48-----	3.67	.0040	.0883	:24-----	4.15	.0045	.0118
				8:00-----	2.58	.0028	.0431	:50-----	4.48	.0048	.0884	:26-----	4.84	.0052	.0120
				:20-----	2.10	.0023	.0440	:52-----	5.38	.0058	.0886	:30-----	5.38	.0058	.0124
				:40-----	1.85	.0020	.0447	:56-----	6.20	.0067	.0890	:40-----	5.38	.0058	.0134
				9:00-----	1.56	.0017	.0453	9:00-----	5.78	.0062	.0894	8:00-----	5.02	.0054	.0153
				:20-----	1.36	.0015	.0458	:10-----	5.02	.0054	.0904	:06-----	4.84	.0052	.0158
				:40-----	1.20	.0013	.0463	:15-----	4.84	.0052	.0908	:20-----	5.78	.0062	.0171
				10:00-----	1.10	.0012	.0467	:30-----	5.38	.0058	.0922	:25-----	5.78	.0062	.0176
				:20-----	1.00	.0011	.0471	:35-----	5.58	.0060	.0927	:35-----	5.38	.0058	.0186
				:40-----	.91	.0010	.0474	:50-----	5.38	.0058	.0942	:42-----	5.38	.0058	.0193
				11:00-----	.86	.0009	.0477	10:00-----	5.02	.0054	.0951	9:00-----	4.48	.0048	.0209
				:20-----	.81	.0009	.0480	:20-----	4.15	.0045	.0968	:20-----	3.41	.0037	.0223
				12:00-----	.74	.0008	.0485	:40-----	3.41	.0037	.0982	:40-----	2.80	.0030	.0234
								11:00-----	2.91	.0031	.0993	10:00-----	2.47	.0027	.0244
								:20-----	2.47	.0027	.1003	:20-----	2.19	.0024	.0252
								:40-----	2.19	.0024	.1012	:40-----	1.93	.0021	.0259
								12:00-----	2.10	.0023	.1020	11:00-----	1.70	.0018	.0265
												:20-----	1.56	.0017	.0271
												:40-----	1.42	.0015	.0276
												12:00-----	1.30	.0014	.0281



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches <sup>1</sup>		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
July 29				Aug. 3				Aug. 7				Aug. 11			
a. m.				p. m.				a. m.				a. m.			
5:00-----	0.60	0.0006	0.0035	1:20-----	0.19	0.0002	0.0027	10:00-----	0.27	0.0003	0.0021	3:00-----	0.08	0.0001	0.0003
9:00-----	.57	.0006	.0059	2:50-----	.17	.0002	.0030	1:00-----	.33	.0004	.0022	6:00-----	.09	.0001	.0006
11:30-----	.54	.0006	.0074	4:40-----	.14	.0001	.0034	3:00-----	.33	.0004	.0022	9:00-----	.09	.0001	.0009
p. m.				6:00-----	.13	.0001	.0035	4:00-----	.31	.0003	.0023	12:00-----	.09	.0001	.0012
1:30-----	.49	.0005	.0084	10:00-----	.13	.0001	.0039	11:00-----	.27	.0003	.0023	p. m.			
2:30-----	.46	.0005	.0089	12:00-----	.14	.0001	.0041	12:00-----	.24	.0003	.0024	2:00-----	.08	.0001	.0014
4:00-----	.44	.0005	.0097	Aug. 4				12:00-----	.20	.0002	.0025	4:20-----	.07	.0001	.0016
5:00-----	.42	.0004	.0102	a. m.				4:00-----	.19	.0002	.0025	6:30-----	.06	.0001	.0018
9:00-----	.42	.0004	.0118	2:00-----	.15	.0002	.0002	p. m.				12:00-----	.06	.0001	.0024
11:00-----	.44	.0005	.0126	3:30-----	.17	.0002	.0005	12:20-----	.17	.0002	.0026	Aug. 12			
12:00-----	.44	.0005	.0131	5:00-----	.18	.0002	.0008	1:00-----	.14	.0001	.0027	a. m.			
July 30				7:00-----	.19	.0002	.0012	2:00-----	.12	.0001	.0028	12:40-----	.06	.0001	.0001
a. m.				11:20-----	.19	.0002	.0021	3:00-----	.11	.0001	.0029	2:00-----	.07	.0001	.0002
4:00-----	.46	.0005	.0020	p. m.				4:00-----	.09	.0001	.0030	5:00-----	.07	.0001	.0005
9:00-----	.49	.0005	.0045	12:50-----	.18	.0002	.0024	5:00-----	.12	.0001	.0031	8:00-----	.08	.0001	.0008
11:00-----	.46	.0005	.0055	2:00-----	.17	.0002	.0026	6:00-----	.11	.0001	.0032	11:20-----	.08	.0001	.0011
p. m.				3:40-----	.14	.0001	.0028	7:00-----	.09	.0001	.0033	p. m.			
12:30-----	.44	.0005	.0062	5:00-----	.13	.0001	.0029	8:00-----	.09	.0001	.0034	1:00-----	.07	.0001	.0013
2:20-----	.39	.0004	.0071	10:00-----	.13	.0001	.0034	9:00-----	.08	.0001	.0035	2:30-----	.07	.0001	.0014
4:00-----	.35	.0004	.0078	12:00-----	.14	.0001	.0036	12:00-----	.98	.0001	.0038	4:00-----	.06	.0001	.0016
5:00-----	.33	.0004	.0082	Aug. 5				Aug. 8				6:00-----	.05	T	.0016
6:20-----	.31	.0003	.0086	a. m.				2:00-----	.08	.0001	.0002	12:00-----	.05	T	.0016
9:00-----	.31	.0003	.0095	2:00-----	.15	.0002	.0002	4:00-----	.09	.0001	.0004	Aug. 13			
10:30-----	.33	.0004	.0099	4:00-----	.17	.0002	.0006	5:00-----	.09	.0001	.0006	a. m.			
12:00-----	.35	.0004	.0105	7:00-----	.18	.0002	.0012	6:00-----	.09	.0001	.0007	2:20-----	.06	.0001	T
July 31				11:00-----	.18	.0002	.0020	7:00-----	.11	.0001	.0007	4:20-----	.06	.0001	.0002
a. m.				p. m.				8:00-----	.12	.0001	.0008	7:00-----	.07	.0001	.0005
2:00-----	.37	.0004	.0008	12:40-----	.17	.0002	.0023	9:55-----	.12	.0001	.0010	9:00-----	.07	.0001	.0007
5:00-----	.39	.0004	.0020	2:40-----	.14	.0001	.0027	10:00-----	.17	.0002	.0010	11:00-----	.07	.0001	.0009
12:00-----	.39	.0004	.0048	4:20-----	.12	.0001	.0029	10:55-----	.22	.0002	.0011	p. m.			
p. m.				5:30-----	.12	.0001	.0030	11:00-----	.27	.0003	.0012	12:20-----	.07	.0001	.0010
1:00-----	.37	.0004	.0052	6:20-----	.12	.0001	.0031	11:00-----	.27	.0003	.0013	2:20-----	.06	.0001	.0012
2:10-----	.35	.0004	.0057	12:00-----	.12	.0001	.0037	12:00-----	.17	.0002	.0015	4:00-----	.05	.0001	.0014
4:00-----	.31	.0003	.0064	Aug. 6				11:00-----	.27	.0003	.0013	6:00-----	.05	T	
6:00-----	.27	.0003	.0070	a. m.				12:00-----	.20	.0002	.0014	8:20-----	.05	T	
10:00-----	.27	.0003	.0082	2:20-----	.14	.0001	.0002	12:00-----	.17	.0002	.0015	11:00-----	.06	.0001	.0017
12:00-----	.29	.0003	.0088	4:00-----	.15	.0002	.0004	p. m.				12:00-----	.06	.0001	.0018
Aug. 1				5:00-----	.17	.0002	.0006	12:40-----	.14	.0001	.0016	Aug. 14			
a. m.				7:00-----	.19	.0002	.0010	1:20-----	.12	.0001	.0017	a. m.			
3:00-----	.31	.0003	.0009	9:00-----	.20	.0002	.0014	2:20-----	.11	.0001	.0018	2:00-----	.06	.0001	.0002
6:00-----	.33	.0004	.0018	10:00-----	.26	.0003	.0016	3:00-----	.09	.0001	.0019	3:40-----	.07	.0001	.0004
10:00-----	.33	.0004	.0034	11:00-----	.27	.0003	.0017	4:00-----	.08	.0001	.0020	6:00-----	.07	.0001	.0006
11:40-----	.31	.0003	.0041	12:00-----	.27	.0003	.0017	5:20-----	.07	.0001	.0021	11:00-----	.07	.0001	.0011
p. m.				1:50-----	.35	.0004	.0017	7:00-----	.06	.0001	.0023	p. m.			
1:30-----	.27	.0003	.0046	2:00-----	.44	.0005	.0017	8:00-----	.06	.0001	.0024	12:40-----	.07	.0001	.0013
3:00-----	.24	.0003	.0050	2:25-----	.49	.0005	.0018	10:00-----	.06	.0001	.0026	2:00-----	.06	.0001	.0014
4:20-----	.22	.0002	.0053	3:00-----	.51	.0006	.0020	12:00-----	.06	.0001	.0028	3:00-----	.06	.0001	.0015
6:00-----	.19	.0002	.0056	4:00-----	.51	.0006	.0020	Aug. 9				4:00-----	.07	.0001	.0016
8:00-----	.19	.0002	.0060	5:00-----	.46	.0005	.0021	a. m.				9:00-----	.07	.0001	.0021
10:00-----	.20	.0002	.0064	11:00-----	.39	.0004	.0023	1:00-----	.07	.0001	.0001	10:00-----	.06	.0001	.0022
11:10-----	.22	.0002	.0066	12:00-----	.33	.0004	.0024	3:20-----	.07	.0001	.0003	12:00-----	.07	.0001	.0024
14:00-----	.26	.0003	.0067	Aug. 7				5:00-----	.08	.0001	.0005	Aug. 15			
12:00-----	.27	.0003	.0068	12:10-----	.27	.0003	.0026	7:00-----	.09	.0001	.0007	a. m.			
Aug. 2				2:00-----	.26	.0003	.0026	8:20-----	.10	.0001	.0008	5:00-----	.07	.0001	.0005
a. m.				3:00-----	.27	.0003	.0027	9:20-----	.11	.0001	.0009	7:00-----	.07	.0001	.0007
2:00-----	.29	.0003	.0006	4:00-----	.33	.0004	.0028	10:00-----	.12	.0001	.0010	11:00-----	.07	.0001	.0011
3:30-----	.31	.0003	.0010	5:00-----	.35	.0004	.0028	11:00-----	.13	.0001	.0011	p. m.			
7:00-----	.33	.0004	.0021	1:20-----	.35	.0004	.0030	12:00-----	.12	.0001	.0011	12:40-----	.07	.0001	.0013
9:00-----	.33	.0004	.0029	2:00-----	.31	.0003	.0032	Aug. 10				2:00-----	.06	.0001	.0014
10:00-----	.27	.0003	.0033	3:00-----	.27	.0003	.0033	p. m.				3:00-----	.06	.0001	.0015
11:30-----	.26	.0003	.0037	4:00-----	.24	.0003	.0035	12:40-----	.12	.0001	.0013	5:00-----	.05	T	
p. m.				5:00-----	.22	.0002	.0037	2:40-----	.11	.0001	.0015	7:00-----	.05	T	
12:30-----	.24	.0003	.0040	6:20-----	.19	.0002	.0038	4:00-----	.09	.0001	.0017	9:00-----	.04	T	
2:00-----	.22	.0002	.0043	7:00-----	.18	.0002	.0040	7:00-----	.09	.0001	.0019	11:00-----	.04	T	
3:20-----	.19	.0002	.0046	8:00-----	.19	.0002	.0040	9:00-----	.08	.0001	.0021	12:00-----	.05	T	.0015
5:20-----	.17	.0002	.0050	9:00-----	.22	.0002	.0042	12:00-----	.09	.0001	.0024	Aug. 16			
7:00-----	.15	.0002	.0053	10:00-----	.19	.0002	.0043	Aug. 10				a. m.			
8:40-----	.15	.0002	.0056	11:00-----	.14	.0001	.0044	4:00-----	.09	.0001	.0004	1:00-----	.05	T	T
11:00-----	.17	.0002	.0061	12:00-----	.14	.0001	.0045	7:00-----	.10	.0001	.0007	4:00-----	.05	.0001	.0003
12:00-----	.18	.0002	.0063	Aug. 7				10:00-----	.11	.0001	.0010	6:00-----	.06	.0001	.0005
Aug. 3				a. m.				12:00-----	.11	.0001	.0012	8:00-----	.06	.0001	.0007
2:00-----	.19	.0002	.0004	3:00-----	.19	.0002	.0006	p. m.				9:30-----	.06	.0001	.0009
3:30-----	.20	.0002	.0007	4:00-----	.19	.0002	.0008	1:30-----	.10	.0001	.0013	11:00-----	.06	.0001	.0010
5:00-----	.22	.0002	.0010	8:00-----	.18	.0002	.0016	3:00-----	.09	.0001	.0015	p. m.			
7:00-----	.23	.0002	.0014	9:50-----	.18	.0002	.0020	5:00-----	.08	.0001	.0017	1:00-----	.06	.0001	.0012
10:00-----	.23	.0002	.0020	:55-----	.22	.0002	.0020	6:30-----	.07	.0001	.0018	3:20-----	.05	.0001	.0014
11:30-----	.22	.0002	.0023					9:00-----	.07	.0001	.0021	5:00-----	.05	T	
								12:00-----	.07	.0001	.0024	12:00-----	.05	T	.0014



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Aug. 17				Aug. 19				Aug. 25				Aug. 27			
a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches
2:20-----	0.06	0.0001	T	6:00-----	0.29	0.0003	0.0027	1:30-----	0.07	0.0001	0.0007	10:44-----	18.8	0.0203	0.0189
4:00-----	.06	.0001	0.0002	7:00-----	.27	.0003	.0030	4:00-----	.07	.0001	.0010	:46-----	20.8	.0225	.0196
6:00-----	.06	.0001	.0004	8:30-----	.24	.0003	.0034	6:30-----	.07	.0001	.0012	:55-----	20.8	.0225	.0230
9:00-----	.07	.0001	.0007	10:00-----	.22	.0002	.0038	7:40-----	.07	.0001	.0013	11:00-----	21.8	.0235	.0249
11:20-----	.07	.0001	.0009	12:00-----	.19	.0002	.0042	8:40-----	.08	.0001	.0014	:10-----	19.7	.0213	.0256
p. m.				p. m.				10:00-----	.09	.0001	.0015	:20-----	16.2	.0175	.0318
1:40-----	.06	.0001	.0011	1:40-----	.17	.0002	.0045	11:30-----	.09	.0001	.0016	:32-----	12.4	.0134	.0349
3:40-----	.05	T	.0013	3:40-----	.14	.0001	.0047	:20-----	.11	.0001		:44-----	10.5	.0113	.0374
5:20-----	.04	T		6:00-----	.12	.0001	.0049	12:00-----	.12	.0001	.0017	12:00-----	10.5	.0113	.0404
7:00-----	.03	T		8:00-----	.12	.0001	.0051								
8:10-----	.03	T		10:00-----	.11	.0001	.0053	Aug. 26							
:20-----	.04	T		12:00-----	.11	.0001	.0055	a. m.				12:20-----	8.82	.0095	.0439
:45-----	.05	T						12:20-----	.14	.0001	T	:30-----	7.56	.0082	.0454
9:20-----	.04	T		Aug. 20				1:20-----	.17	.0002	.0001	:40-----	6.41	.0069	.0466
12:00-----	.04	T	.0013	a. m.				:40-----	.19	.0002	.0002	1:00-----	5.02	.0054	.0487
Aug. 18				11:00-----	.11	.0001	.0011	2:20-----	.22	.0002	.0003	:20-----	3.83	.0041	.0502
a. m.				p. m.				2:50-----	.23	.0002	.0004	:35-----	3.02	.0033	.0511
1:40-----	.04	T	T	1:20-----	.10	.0001	.0013	3:20-----	.27	.0003	.0005	:40-----	2.80	.0030	.0514
3:00-----	.05	T		3:00-----	.09	.0001	.0015	:50-----	.29	.0003	.0006	2:00-----	2.37	.0026	.0523
4:00-----	.05	T		4:30-----	.09	.0001	.0016	5:20-----	.27	.0003	.0011	:30-----	2.01	.0022	.0535
5:00-----	.05	.0001		6:00-----	.08	.0001	.0018	6:00-----	.26	.0003	.0013	:40-----	1.93	.0021	.0539
6:40-----	.06	.0001	.0002	9:00-----	.07	.0001	.0021	7:00-----	.23	.0002	.0015	:50-----	1.85	.0020	.0542
9:00-----	.06	.0001	.0004	12:00-----	.07	.0001	.0024	8:00-----	.22	.0002	.0017	3:00-----	1.70	.0018	.0545
11:00-----	.06	.0001	.0006	Aug. 21				9:00-----	.19	.0002	.0019	:40-----	1.49	.0016	.0556
p. m.				a. m.				10:00-----	.18	.0002	.0021	4:00-----	1.49	.0016	.0561
12:40-----	.06	.0001	.0008	2:00-----	.07	.0001	.0002	11:30-----	.17	.0002	.0024	:05-----	1.70	.0018	.0562
2:20-----	.05	T	.0010	7:00-----	.08	.0001	.0007	p. m.				:20-----	1.85	.0020	.0567
3:20-----	.04	T		12:00-----	.08	.0001	.0012	2:00-----	.15	.0002	.0029	:40-----	1.85	.0020	.0574
5:00-----	.04	T		p. m.				5:00-----	.14	.0001	.0035	5:00-----	1.70	.0018	.0580
6:00-----	.05	T		2:00-----	.07	.0001	.0014	10:00-----	.13	.0001	.0040	:20-----	1.63	.0018	.0586
:04-----	.07	.0001		3:40-----	.07	.0001	.0016	12:00-----	.13	.0001	.0042	:50-----	1.56	.0017	.0595
:10-----	.09	.0001		5:00-----	.06	.0001	.0017	Aug. 27				6:10-----	1.56	.0017	.0601
:15-----	.12	.0001		7:00-----	.06	.0001	.0019	a. m.				:30-----	1.70	.0018	.0607
:20-----	.17	.0002		9:00-----	.05	.0001	.0021	12:20-----	.13	.0001	T	:50-----	2.01	.0022	.0614
:22-----	.23	.0002		12:00-----	.06	.0001	.0024	:40-----	.14	.0001	.0001	7:10-----	2.19	.0024	.0622
:24-----	.31	.0003		Aug. 22				:50-----	.17	.0002		:30-----	2.80	.0030	.0631
:28-----	.39	.0004		a. m.				:55-----	.19	.0002		:40-----	3.02	.0033	.0636
:32-----	.54	.0006	.0011	4:00-----	.06	.0001	.0004	1:00-----	.27	.0003		:50-----	3.83	.0041	.0642
:35-----	.70	.0008		8:00-----	.07	.0001	.0008	:10-----	.33	.0004	.0002	8:00-----	5.02	.0054	.0650
:40-----	.91	.0010	.0012	12:00-----	.07	.0001	.0012	:20-----	.35	.0004	.0003	:15-----	5.99	.0065	.0665
:45-----	1.20	.0013	.0013	p. m.				:25-----	.46	.0005		:20-----	5.99	.0065	.0670
:46-----	1.42	.0015		1:20-----	.06	.0001	.0013	:30-----	.60	.0006	.0004	:30-----	6.41	.0069	.0681
:48-----	1.70	.0018	.0014	2:30-----	.06	.0001	.0014	:40-----	.67	.0007	.0005	:40-----	8.82	.0095	.0695
:50-----	2.01	.0022	.0015	3:40-----	.05	.0001	.0015	:45-----	.86	.0009	.0006	:52-----	10.5	.0113	.0716
:52-----	2.37	.0026	.0016	6:00-----	.05	T		:50-----	1.10	.0012	.0008	:56-----	12.4	.0134	.0724
:54-----	3.02	.0033	.0017	11:00-----	.05	T		:55-----	1.36	.0015	.0009	9:00-----	14.6	.0158	.0734
:55-----	3.83	.0041		12:00-----	.05	.0001	.0015	1:00-----	1.70	.0018		:04-----	17.9	.0193	.0746
:56-----	4.48	.0048	.0018	Aug. 23				:10-----	2.01	.0022	.0010	:05-----	23.9	.0258	.0750
:58-----	5.38	.0058	.0020	a. m.				:20-----	2.28	.0025	.0012	:08-----	26.2	.0283	.0763
7:00-----	6.64	.0072	.0022	1:20-----	.06	.0001	.0013	:25-----	2.47	.0027	.0026	:12-----	28.7	.0310	.0783
:02-----	7.10	.0077	.0024	2:30-----	.06	.0001	.0014	:30-----	2.80	.0030	.0036	:14-----	30.0	.0324	.0794
:10-----	6.20	.0067	.0034	3:40-----	.05	.0001	.0015	:35-----	2.91	.0031	.0019	:20-----	28.7	.0310	.0826
:12-----	5.78	.0062	.0038	6:00-----	.05	T		:55-----	2.47	.0027	.0026	:40-----	22.9	.0247	.0919
:20-----	5.20	.0056	.0046	11:00-----	.05	T		1:00-----	2.80	.0030	.0036	:55-----	19.7	.0213	.0976
:30-----	4.15	.0045	.0054	12:00-----	.05	.0001	.0015	:20-----	2.37	.0026	.0026	10:10-----	21.3	.0230	.1031
:32-----	3.99	.0043	.0055	Aug. 24				:25-----	2.37	.0026	.0026	:20-----	19.7	.0213	.1068
:40-----	5.02	.0054	.0062	a. m.				:30-----	2.37	.0026	.0026	:40-----	14.6	.0158	.1129
:46-----	5.02	.0054	.0067	1:20-----	.06	.0001	.0001	:45-----	2.28	.0025	.0054	11:00-----	9.94	.0107	.1173
:50-----	5.38	.0058	.0071	3:00-----	.07	.0001	.0003	:50-----	2.28	.0025	.0058	:20-----	7.33	.0079	.1204
:55-----	6.64	.0072	.0076	4:30-----	.07	.0001	.0005	1:00-----	1.77	.0019	.0080	:40-----	5.99	.0065	.1228
8:00-----	7.81	.0084	.0082	8:00-----	.08	.0001	.0008	:20-----	1.42	.0015	.0086	12:00-----	5.20	.0056	.1248
:05-----	9.10	.0098	.0090	p. m.				:40-----	1.20	.0013	.0091	Aug. 28			
:10-----	9.10	.0098	.0098	2:00-----	.08	.0001	.0014	:40-----	1.05	.0011	.0095	a. m.			
:20-----	8.06	.0087	.0113	4:20-----	.07	.0001	.0016	6:00-----	.91	.0010	.0098	12:20-----	4.48	.0048	.0017
:30-----	6.64	.0072	.0126	6:30-----	.07	.0001	.0018	:40-----	.74	.0008	.0104	:50-----	3.67	.0040	.0039
:40-----	5.38	.0058	.0137	7:20-----	.06	.0001	.0020	7:20-----	.60	.0006	.0109	1:20-----	3.02	.0033	.0057
:50-----	4.48	.0048	.0146	8:30-----	.06	.0001	.0022	8:20-----	.49	.0005	.0114	2:00-----	2.58	.0028	.0077
9:00-----	3.83	.0041	.0153	10:30-----	.06	.0001	.0022	:30-----	.46	.0005	.0115	:20-----	2.37	.0026	.0086
:10-----	3.28	.0035	.0159	12:00-----	.06	.0001	.0023	:40-----	.54	.0006	.0116	:40-----	2.01	.0022	.0110
:20-----	2.80	.0030	.0164	Aug. 25				:55-----	.67	.0007	.0117	3:20-----	1.85	.0020	.0128
:40-----	2.19	.0024	.0173	a. m.				9:00-----	.67	.0007	.0118	4:10-----	1.70	.0018	.0144
10:00-----	1.77	.0019	.0180	6:00-----	.06	.0001	.0006	:20-----	.81	.0009	.0121	:40-----	1.56	.0017	.0155
:20-----	1.49	.0016	.0186	9:00-----	.06	.0001	.0009	:30-----	1.10	.0012	.0123	6:40-----	1.42	.0015	.0171
:40-----	1.25	.0014	.0191	11:00-----	.06	.0001	.0011	:40-----	1.42	.0015	.0125	7:40-----	1.30	.0014	.0186
11:00-----	1.10	.0012	.0195	p. m.				:41-----	1.85	.0020		8:40-----	1.20	.0013	.0199
:20-----	.95	.0010	.0199	1:00-----	.06	.0001	.0013	:44-----	2.19	.0024	.0126	10:20-----	1.10	.0012	.0220
:40-----	.86	.0009	.0202	2:00-----	.05	.0001	.0014	:48-----	2.28	.0025	.0127				
12:00-----	.78	.0008	.0205	3:30-----	.05	T	.0015	10:00-----	2.19	.0024	.0132	p. m.			
Aug. 19				5:00-----	.04	T		:04-----	2.58	.0028	.0134	12:20-----	1.00	.0011	.0242
a. m.				9:00-----	.04	T		:06-----	3.02	.0033	.0135	1:40-----	.91	.0010	.0255
12:20-----	.70	.0008	.0003	12:00-----	.04	T	.0015	:08-----	3.54	.0038	.0136	3:00-----	.81	.0009	.0268
:40-----	.63	.0007	.0005	Aug. 26				:10-----	4.48	.0048	.0137	5:00-----	.74	.0008	.0284
1:00-----	.57	.0006	.0007	a. m.				:12-----	5.20	.0056	.0139	6:00-----	.70	.0008	.0292
:20-----	.54	.0006	.0009	4:00-----	.05	T	T	:16-----	5.58	.0060	.0143	7:00-----	.67	.0007	.0299
2:00-----	.46	.0005	.0012	7:00-----	.05	T		:22-----	5.58	.0060	.0149	10:40-----	.67	.0007	.0325
3:00-----	.42	.0004	.0016	9:00-----	.05	.0001	.0002	:28-----	7.33	.0079	.0155	12:00-----	.63	.0007	.0334
4:00-----	.37	.0004	.0024	10:30-----	.06	.0001	.0004	:30-----	8.82	.0095	.0158	Aug. 29			
5:00-----	.33	.0004	.0024												



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour	
Aug. 29				Aug. 31				Sept. 6				Sept. 11			
a. m.				a. m.				a. m.				a. m.			
4:20	0.57	0.0006	0.0026	1:40	4.15	0.0045	0.0078	10:00	0.54	0.0006	0.0060	12:00	0.35	0.0004	0.0048
6:00	.54	.0006	.0036	3:20	3.83	.0041	.0150	11:30	.51	.0006	.0069				
7:20	.54	.0006	.0044	5:00	3.54	.0038	.0215					p. m.			
9:20	.51	.0006	.0056	7:00	3.28	.0035	.0287	1:00	.49	.0005	.0078	2:30	.31	.0003	.0055
11:00	.49	.0005	.0066	9:00	3.02	.0033	.0355	2:30	.46	.0005	.0086	3:30	.31	.0003	.0058
				10:40	2.80	.0030	.0408	4:00	.44	.0005	.0093	5:00	.29	.0003	.0062
p. m.								12:00	.44	.0005	.0133	12:00	.29	.0003	.0083
12:20	.49	.0005	.0073	p. m.											
1:40	.44	.0005	.0080	1:00	2.58	.0028	.0476								
3:00	.42	.0004	.0085	2:20	2.37	.0026	.0512	Sept. 7				Sept. 12			
4:20	.42	.0004	.0087	4:20	2.19	.0024	.0562	a. m.				a. m.			
5:50	.49	.0005	.0088	7:00	2.10	.0023	.0623	3:00	.46	.0005	.0015	12:00	.29	.0003	.0036
4:20	.54	.0006	.0091	9:00	2.10	.0023	.0669	9:00	.46	.0005	.0045				
3:00	.54	.0006	.0092	12:00	2.01	.0022	.0738	12:00	.44	.0005	.0060	p. m.			
4:00	.60	.0006	.0093									2:30	.27	.0003	.0043
5:10	.67	.0007	.0096	Sept. 1								5:00	.26	.0003	.0051
3:00	.78	.0008	.0098	a. m.								7:00	.24	.0003	.0057
4:00	1.00	.0011	.0099	2:00	2.01	.0022	.0044					12:00	.24	.0003	.0072
6:00	1.30	.0014	.0103	5:00	1.93	.0021	.0107	Sept. 8							
7:20	1.56	.0017	.0108	8:00	1.85	.0020	.0170	a. m.				3:00	.26	.0003	.0009
3:00	2.01	.0022	.0111	9:20	1.85	.0020	.0197	2:00	.39	.0004	.0008	6:00	.27	.0003	.0018
7:00	2.69	.0029	.0124	11:00	1.77	.0019	.0229	5:00	.42	.0004	.0020	10:40	.27	.0003	.0032
4:00	3.02	.0033	.0129	12:00	1.70	.0018	.0248	8:00	.42	.0004	.0032				
4:00	3.67	.0040	.0147					4:00	.44	.0005	.0035	p. m.			
4:45	4.48	.0048	.0151	p. m.				9:10	.49	.0005	.0037	1:00	.24	.0003	.0039
8:00	4.84	.0052	.0163	2:20	1.56	.0017	.0288	3:00	.54	.0006	.0038	2:00	.24	.0003	.0042
1:00	5.02	.0054	.0172	4:30	1.49	.0016	.0322	4:00	.54	.0006	.0040	4:20	.22	.0002	.0047
2:00	5.02	.0054	.0181	6:00	1.42	.0015	.0346	5:00	.60	.0006	.0043	5:20	.22	.0002	.0049
4:00	4.66	.0050	.0198	12:00	1.42	.0015	.0436	10:20	.67	.0007	.0047	7:00	.20	.0002	.0052
9:00	4.48	.0048	.0214					5:00	.74	.0008	.0046	12:00	.20	.0002	.0062
1:00	4.48	.0048	.0222	Sept. 2				11:40	.81	.0009	.0053				
3:00	4.15	.0045	.0237	a. m.				12:00	.86	.0009	.0056	Sept. 14			
4:00	3.83	.0041	.0244	2:00	1.42	.0015	.0030					a. m.			
10:10	3.28	.0035	.0263	5:00	1.36	.0015	.0075	1:00	.91	.0010	.0065	1:00	.20	.0002	.0002
2:00	3.02	.0033	.0269	8:00	1.30	.0014	.0117	2:00	.91	.0010	.0068	3:20	.22	.0002	.0007
4:00	2.80	.0030	.0279	10:00	1.30	.0014	.0145	3:00	.81	.0009	.0074	5:00	.22	.0002	.0010
11:20	2.37	.0026	.0298	11:40	1.25	.0014	.0168	4:00	.67	.0007	.0082	8:00	.23	.0002	.0016
12:00	2.10	.0023	.0315					4:00	.57	.0006	.0088	12:00	.23	.0002	.0024
Aug. 30				p. m.				4:00	.54	.0006	.0092				
a. m.				1:00	1.20	.0013	.0187	6:30	.49	.0005	.0103	p. m.			
1:20	1.85	.0020	.0028	2:30	1.15	.0012	.0205	8:00	.46	.0005	.0110	1:20	.22	.0002	.0027
2:00	1.70	.0018	.0041	4:00	1.10	.0012	.0223	11:00	.44	.0005	.0125	3:00	.20	.0002	.0030
4:40	1.70	.0018	.0089	5:00	1.10	.0012	.0235	12:00	.44	.0005	.0130	4:20	.19	.0002	.0033
6:30	1.85	.0020	.0124	7:00	1.05	.0011	.0257					12:00	.19	.0002	.0048
5:00	2.19	.0024	.0131	12:00	1.05	.0011	.0312	Sept. 9							
7:10	3.02	.0033	.0140					a. m.				Sept. 15			
2:00	4.48	.0048	.0147	Sept. 3				11:00	.44	.0005	.0055	a. m.			
3:00	6.41	.0069	.0157	a. m.								6:00	.19	.0002	.0012
3:40	8.82	.0095	.0162	5:00	1.05	.0011	.0055	1:00	.42	.0004	.0063	9:00	.20	.0002	.0018
3:58	11.7	.0126	.0169	9:00	1.00	.0011	.0099	4:00	.39	.0004	.0075				
4:00	14.6	.0158	.0174	11:00	1.00	.0011	.0121	7:00	.37	.0004	.0087	p. m.			
4:40	16.2	.0175	.0185					9:00	.37	.0004	.0095	3:00	.20	.0002	.0030
5:00	19.7	.0213	.0204					12:00	.39	.0004	.0107	5:00	.19	.0002	.0034
8:00	26.2	.0283	.0245	p. m.								9:00	.18	.0002	.0042
1:00	34.1	.0368	.0299	12:20	.95	.0010	.0136	Sept. 10				12:00	.18	.0002	.0048
1:16	38.4	.0415	.0338	1:40	.91	.0010	.0149	a. m.							
2:00	46.8	.0505	.0414	3:30	.86	.0009	.0165	12:30	.44	.0005	.0002	Sept. 16			
3:00	48.7	.0526	.0448	6:00	.81	.0009	.0183	1:10	.49	.0005	.0005	a. m.			
5:00	46.8	.0505	.0619	12:00	.81	.0009	.0242	4:00	.54	.0006	.0007	2:00	.18	.0002	.0004
9:00	45.1	.0487	.0702					5:00	.60	.0006	.0009	4:00	.19	.0002	.0008
2:00	40.9	.0442	.0857	Sept. 4				7:00	.74	.0008	.0012	6:00	.19	.0002	.0012
3:00	37.0	.0400	.0927	a. m.				8:00	.81	.0009	.0015	9:00	.20	.0002	.0018
4:00	31.2	.0337	.0988	8:00	.81	.0009	.0072	3:20	1.00	.0011	.0022				
10:00	24.5	.0265	.1088	11:30	.78	.0008	.0100	5:00	.10	.0012	.0028	p. m.			
2:00	20.8	.0225	.1170					4:20	.15	.0012	.0034	2:00	.20	.0002	.0028
3:00	20.2	.0218	.1207	p. m.				5:00	.15	.0012	.0040	3:30	.19	.0002	.0031
11:00	22.9	.0247	.1323	12:30	.74	.0008	.0108	5:10	.10	.0012	.0044	6:00	.18	.0002	.0036
1:00	25.0	.0270	.1366	2:30	.67	.0007	.0124	4:00	.10	.0012	.0050	9:00	.17	.0002	.0042
2:00	26.9	.0291	.1413	4:00	.63	.0007	.0134	6:20	.91	.0010	.0061	12:00	.17	.0002	.0048
4:00	28.1	.0303	.1512	6:00	.60	.0006	.0146	7:20	.81	.0009	.0067				
p. m.				8:00	.60	.0006	.0158	8:00	.74	.0008	.0072	Sept. 17			
12:10	29.3	.0316	.1666	9:00	.63	.0007	.0165	5:00	.67	.0007	.0078	a. m.			
2:00	28.7	.0310	.1718	12:00	.63	.0007	.0186	9:50	.60	.0006	.0084	6:00	.17	.0002	.0012
4:00	26.2	.0283	.1817					11:10	.54	.0006	.0092	8:00	.18	.0002	.0016
1:10	22.4	.0242	.1948	Sept. 5											
4:00	18.8	.0203	.2060	a. m.								p. m.			
2:20	15.3	.0165	.2182	2:00	.67	.0007	.0014	12:50	.49	.0005	.0100	1:00	.18	.0002	.0017
3:00	12.4	.0134	.2281	5:00	.67	.0007	.0035	2:30	.44	.0005	.0108	2:20	.17	.0002	.0020
4:00	10.5	.0113	.2363	8:00	.63	.0007	.0056	4:40	.39	.0004	.0116	3:40	.17	.0002	.0022
4:30	8.82	.0095	.2450	11:00	.63	.0007	.0077	7:00	.37	.0004	.0125	5:30	.15	.0002	.0026
5:20	7.81	.0084	.2525					9:00	.35	.0004	.0133	8:00	.14	.0001	.0028
6:00	7.33	.0079	.2579	p. m.				12:00	.35	.0004	.0145	12:00	.14	.0001	.0032
7:20	6.41	.0069	.2678	12:30	.60	.0006	.0086								
8:00	5.99	.0065	.2723	2:00	.57	.0006	.0095								
9:00	5.58	.0060	.2786	3:30	.54	.0006	.0104								
4:00	5.20	.0056	.2825	4:30	.51	.0006	.0110								
10:40	4.84	.0052	.2879	10:00	.51	.0006	.0143								
12:00	4.48	.0048	.2946	12:00	.54	.0006	.0155								



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Sept. 18	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Sept. 24	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Sept. 28	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Oct. 7	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>a. m.</i>				<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>			
4:00-----	0.14	0.0001	0.0004	5:20-----	0.22	0.0002	0.0025	1:00-----	0.20	0.0002	0.0026	10:20-----	0.14	0.0001	0.0011
7:00-----	.15	.0002	.0010	8:00-----	.19	.0002	.0030	2:00-----	.19	.0002	.0028	1:40-----	.17	.0002	
10:00-----	.15	.0002	.0016	10:-----	.22	.0002		4:00-----	.19	.0002	.0034	11:00-----	.19	.0002	.0012
11:00-----	.17	.0002	.0018	11:-----	.31	.0003		6:00-----	.18	.0002	.0036	1:30-----	.22	.0002	.0013
<i>p. m.</i>				12:-----	.42	.0004		8:00-----	.17	.0002	.0040	<i>p. m.</i>			
1:00-----	.17	.0002	.0022	1:00-----	.54	.0006		12:00-----	.17	.0002	.0048	12:20-----	.27	.0003	.0015
2:30-----	.15	.0002	.0025	2:30-----	.74	.0008	.0031					3:00-----	.27	.0003	
4:00-----	.14	.0001	.0027	3:00-----	1.00	.0011		Sept. 29				3:50-----	.31	.0003	.0016
7:00-----	.14	.0001	.0030	3:30-----	.95	.0010	.0032	<i>a. m.</i>				4:10-----	.31	.0003	.0017
9:00-----	.13	.0001	.0032	4:00-----	1.20	.0013	.0034	6:00-----	.17	.0002	.0012	4:40-----	.37	.0004	.0018
12:00-----	.13	.0001	.0035	4:46-----	1.30	.0014	.0035	9:00-----	.18	.0002	.0018	5:00-----	.37	.0004	.0019
Sept. 19				4:58-----	1.70	.0018	.0036	<i>p. m.</i>				5:40-----	.35	.0004	.0020
<i>a. m.</i>				5:2-----	2.01	.0022	.0037	1:00-----	.18	.0002	.0026	6:00-----	.31	.0003	.0021
3:00-----	.13	.0001	.0003	5:56-----	2.01	.0022	.0038	3:00-----	.17	.0002	.0030	7:40-----	.24	.0003	.0022
6:00-----	.14	.0001	.0006	9:02-----	1.93	.0021	.0040	6:00-----	.17	.0002	.0036	9:00-----	.22	.0002	.0023
<i>p. m.</i>				10:4-----	2.37	.0026	.0041	8:00-----	.15	.0002	.0040	11:00-----	.19	.0002	.0024
2:00-----	.14	.0001	.0014	10:10-----	3.02	.0033	.0044	12:00-----	.15	.0002	.0048	12:00-----	.19	.0002	.0025
4:00-----	.13	.0001	.0016	11:00-----	3.54	.0038	.0048	Sept. 30				<i>a. m.</i>			
6:00-----	.12	.0001	.0018	12:00-----	4.48	.0048	.0061	<i>a. m.</i>				1:00-----	.19	.0002	.0002
12:00-----	.12	.0001	.0024	1:00-----	3.83	.0041	.0065	5:00-----	.15	.0002	.0010	2:00-----	.18	.0002	.0004
Sept. 20				1:46-----	3.67	.0040	.0069	9:00-----	.17	.0002	.0018	3:00-----	.17	.0002	.0006
<i>a. m.</i>				2:00-----	3.83	.0041	.0093	12:00-----	.17	.0002	.0024	5:00-----	.17	.0002	.0010
4:00-----	.12	.0001	.0004	3:00-----	3.02	.0033	.0099	<i>p. m.</i>				7:00-----	.15	.0002	.0014
6:00-----	.13	.0001	.0006	4:00-----	2.69	.0029	.0104	1:00-----	.15	.0002	.0026	11:00-----	.14	.0001	.0018
<i>p. m.</i>				11:00-----	2.37	.0026	.0113	7:00-----	.15	.0002	.0038	<i>p. m.</i>			
1:00-----	.13	.0001	.0013	12:00-----	2.19	.0024	.0121	12:00-----	.14	.0001	.0048	1:00-----	.14	.0001	.0020
2:40-----	.12	.0001	.0015	<i>a. m.</i>				Oct. 1				3:00-----	.13	.0001	.0022
4:30-----	.12	.0001	.0017	12:20-----	2.91	.0031	.0009	<i>a. m.</i>				5:00-----	.12	.0001	.0024
7:00-----	.11	.0001	.0020	1:00-----	3.02	.0033	.0025	6:40-----	.14	.0001	.0007	12:00-----	.12	.0001	.0031
12:00-----	.11	.0001	.0025	2:00-----	3.28	.0035	.0031	7:00-----	.15	.0002		<i>a. m.</i>			
Sept. 21				3:00-----	3.28	.0035	.0037	10:00-----	.17	.0002	.0013	5:00-----	.12	.0001	.0005
<i>a. m.</i>				4:00-----	3.15	.0034	.0048	12:00-----	.17	.0002	.0017	12:00-----	.12	.0001	.0012
3:00-----	.11	.0001	.0003	5:00-----	3.15	.0034	.0059	<i>p. m.</i>				<i>p. m.</i>			
5:30-----	.12	.0001	.0006	6:00-----	3.54	.0038	.0077	4:00-----	.14	.0001	.0021	5:00-----	.11	.0001	.0017
8:00-----	.12	.0001	.0008	7:00-----	4.15	.0045	.0091	12:00-----	.14	.0001	.0029	12:00-----	.11	.0001	.0024
<i>p. m.</i>				8:00-----	4.48	.0048	.0103	Oct. 2				<i>a. m.</i>			
1:00-----	.12	.0001	.0013	9:00-----	4.48	.0048	.0123	<i>a. m.</i>				5:00-----	.14	.0001	.0005
3:00-----	.11	.0001	.0015	10:00-----	4.15	.0045	.0146	8:00-----	.15	.0002	.0008	12:00-----	.11	.0001	.0024
7:00-----	.10	.0001	.0019	11:00-----	3.83	.0041	.0160	<i>p. m.</i>				<i>p. m.</i>			
8:00-----	.09	.0001	.0020	12:00-----	3.41	.0037	.0173	1:20-----	.15	.0002	.0019	12:00-----	.11	.0001	.0024
12:00-----	.09	.0001	.0024	1:00-----	3.02	.0033	.0185	3:40-----	.14	.0001	.0024	Oct. 11			
Sept. 22				5:00-----	2.80	.0030	.0190	5:40-----	.14	.0001	.0026	<i>p. m.</i>			
<i>a. m.</i>				6:00-----	2.19	.0024	.0208	8:00-----	.13	.0001	.0028	12:00-----	.11	.0001	.0024
1:00-----	.09	.0001	.0001	7:00-----	1.85	.0020	.0223	12:00-----	.13	.0001	.0032	Oct. 12			
4:00-----	.10	.0001	.0004	8:40-----	1.56	.0017	.0235	<i>a. m.</i>				<i>p. m.</i>			
7:00-----	.11	.0001	.0007	9:40-----	1.30	.0014	.0246	3:40-----	.14	.0001	.0024	12:00-----	.11	.0001	.0024
9:00-----	.11	.0001	.0009	10:20-----	1.10	.0012	.0259	5:40-----	.14	.0001	.0026	Oct. 13			
11:00-----	.12	.0001	.0011	11:20-----	1.00	.0011	.0268	8:00-----	.13	.0001	.0028	<i>a. m.</i>			
<i>p. m.</i>				<i>p. m.</i>				12:00-----	.13	.0001	.0032	4:00-----	.11	.0001	.0004
1:00-----	.12	.0001	.0013	12:20-----	.74	.0008	.0294	Oct. 3				9:00-----	.10	.0001	.0009
2:00-----	.11	.0001	.0014	1:20-----	.67	.0007	.0301	<i>a. m.</i>				<i>p. m.</i>			
5:00-----	.10	.0001	.0017	2:20-----	.60	.0006	.0307	6:00-----	.13	.0001	.0006	12:00-----	.11	.0001	.0024
6:00-----	.10	.0001	.0018	3:40-----	.54	.0006	.0315	11:00-----	.14	.0001	.0011	Oct. 14			
11:00-----	.09	.0001	.0023	5:20-----	.49	.0005	.0325	<i>p. m.</i>				<i>a. m.</i>			
12:00-----	.09	.0001	.0024	7:30-----	.44	.0005	.0336	4:00-----	.14	.0001	.0016	4:00-----	.09	.0001	.0004
Sept. 23				9:30-----	.42	.0004	.0344	8:00-----	.13	.0001	.0020	9:00-----	.10	.0001	.0009
<i>a. m.</i>				11:00-----	.39	.0004	.0350	12:00-----	.13	.0001	.0024	<i>p. m.</i>			
1:00-----	.09	.0001	.0001	12:00-----	.39	.0004	.0354	Oct. 4				2:00-----	.11	.0001	.0014
4:00-----	.10	.0001	.0004	Sept. 26				<i>p. m.</i>				4:00-----	.11	.0001	.0016
7:00-----	.11	.0001	.0007	<i>a. m.</i>				3:00-----	.13	.0001	.0015	9:00-----	.10	.0001	.0021
<i>p. m.</i>				2:00-----	.37	.0004	.0008	6:00-----	.14	.0001	.0018	12:00-----	.10	.0001	.0024
3:30-----	.11	.0001	.0016	5:00-----	.35	.0004	.0012	12:00-----	.14	.0001	.0024	Oct. 15			
6:00-----	.10	.0001	.0018	6:00-----	.35	.0004	.0024	Oct. 5				<i>a. m.</i>			
12:00-----	.10	.0001	.0024	9:00-----	.33	.0004	.0036	<i>p. m.</i>				4:00-----	.09	.0001	.0004
Sept. 24				12:00-----	.31	.0003	.0048	12:00-----	.14	.0001	.0024	<i>p. m.</i>			
<i>a. m.</i>				<i>p. m.</i>				Oct. 6				1:40-----	.09	.0001	.0014
2:00-----	.10	.0001	.0002	2:40-----	.29	.0003	.0056	<i>a. m.</i>				3:00-----	.08	.0001	.0015
5:00-----	.11	.0001	.0005	5:00-----	.27	.0003	.0063	1:00-----	.12	.0001	.0001	10:20-----	.08	.0001	.0022
7:00-----	.11	.0001	.0007	8:00-----	.26	.0003	.0072	4:00-----	.11	.0001	.0014	11:40-----	.09	.0001	.0023
10:40-----	.14	.0001	.0010	12:00-----	.24	.0003	.0084	12:00-----	.11	.0001	.0024	12:00-----	.09	.0001	.0024
11:40-----	.17	.0002	.0013	Sept. 27				Oct. 7				<i>a. m.</i>			
<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				5:30-----	.09	.0001	.0006
1:00-----	.19	.0002	.0016	1:00-----	.24	.0002	.0039	2:00-----	.12	.0001	.0014	6:40-----	.11	.0001	.0007
3:00-----	.22	.0002	.0020	3:40-----	.22	.0002	.0044	4:00-----	.11	.0001	.0016	7:30-----	.12	.0001	.0008
				12:00-----	.22	.0002	.0061	12:00-----	.11	.0001	.0024	8:20-----	.14	.0001	.0009
				Sept. 28				Oct. 7				9:20-----	.17	.0002	.0011
				<i>a. m.</i>				<i>a. m.</i>				10:30-----	.17	.0002	.0013
				1:00-----	.22	.0002	.0002	9:40-----	.11	.0001	.0010	1:40-----	.19	.0002	
				2:00-----	.20	.0002	.0004	10:00-----	.14	.0001		11:00-----	.24	.0003	.0014
												1:30-----	.26	.0003	.0015



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Oct. 15				Oct. 22				Oct. 29				Nov. 2			
p. m.				p. m.				p. m.				a. m.			
12:20	0.24	0.0003	0.0017	1:00	0.12	0.0001	0.0013	9:00	0.67	0.0007	0.0031	1:00	1.85	0.0020	0.0021
3:40	.24	.0003	.0027	6:00	.12	.0001	.0018	10:00	.63	.0007	.0038	4:00	1.70	.0018	.0034
5:00	.22	.0002	.0030	12:00	.12	.0001	.0024	1:10	.67	.0007	.0039	2:20	1.56	.0017	.0045
7:00	.19	.0002	.0034					11:00	.67	.0007	.0045	3:20	1.42	.0015	.0061
9:00	.17	.0002	.0038	Oct. 23				4:40	.60	.0006	.0049	4:20	1.30	.0014	.0075
11:00	.15	.0002	.0042	a. m.				12:00	.57	.0006	.0051	5:20	1.20	.0013	.0088
12:00	.14	.0001	.0043	1:00	.12	.0001	.0001					6:40	1.10	.0012	.0105
Oct. 16								Oct. 30				8:40	1.00	.0011	.0127
a. m.				p. m.				a. m.				10:40	.91	.0010	.0147
1:00	.14	.0001	.0001	3:00	.12	.0001	.0015	1:00	.49	.0005	.0006				
4:00	.13	.0001	.0004	4:00	.12	.0001	.0016	5:00	.44	.0005	.0010	p. m.			
7:00	.12	.0001	.0007	11:30	.12	.0001	.0023	2:40	.39	.0004	.0013	1:00	.81	.0009	.0170
12:00	.12	.0001	.0012	12:00	.12	.0001	.0024	4:00	.35	.0004	.0018	3:30	.74	.0008	.0190
								5:40	.31	.0003	.0023	5:30	.74	.0008	.0206
				Oct. 24				7:00	.27	.0003	.0027	7:00	.70	.0008	.0218
				a. m.				9:00	.24	.0003	.0033	9:00	.67	.0007	.0232
				5:00	.12	.0001	.0005	11:00	.24	.0003	.0039	12:00	.63	.0007	.0253
				9:00	.12	.0001	.0009								
				2:00	.12	.0001	.0010	p. m.							
				10:00	.12	.0001	.0010	1:00	.22	.0002	.0045				
				11:20	.13	.0001	.0011	2:30	.18	.0002	.0048	2:00	.60	.0006	.0012
				12:00	.12	.0001	.0012	4:30	.16	.0002	.0052	5:00	.57	.0006	.0030
								6:30	.16	.0002	.0056	7:00	.54	.0006	.0042
				p. m.				9:00	.15	.0002	.0061	10:00	.51	.0006	.0060
				1:40	.12	.0001	.0014	12:00	.15	.0002	.0067				
				2:30	.11	.0001	.0015								
				12:00	.11	.0001	.0024	Oct. 31							
								a. m.							
				Oct. 25				2:00	.14	.0001	.0002				
				a. m.				5:00	.14	.0001	.0005				
				5:00	.11	.0001	.0005	8:00	.13	.0001	.0008				
				6:40	.12	.0001	.0007	12:00	.13	.0001	.0012				
				9:00	.13	.0001	.0009								
				11:00	.14	.0001	.0011	p. m.							
								3:00	.12	.0001	.0015				
				Oct. 26				12:00	.12	.0001	.0024				
				a. m.											
				2:00	.13	.0001	.0002	Nov. 1							
				7:00	.12	.0001	.0007	a. m.							
								7:00	.12	.0001	.0007				
				Oct. 27				8:00	.14	.0001	.0020				
				p. m.				12:00	.13	.0001	.0024				
				2:00	.12	.0001	.0014								
				7:00	.11	.0001	.0019								
				12:00	.11	.0001	.0024								
				Oct. 28											
				a. m.											
				2:00	.11	.0001	.0002								
				4:00	.10	.0001	.0004								
				Oct. 29											
				p. m.											
				12:00	.10	.0001	.0024								
				Oct. 30											
				a. m.											
				6:00	.10	.0001	.0006								
				8:00	.11	.0001	.0008								
				Oct. 31											
				p. m.											
				2:00	.11	.0001	.0014								
				3:00	.12	.0001	.0015								
				6:00	.12	.0001	.0018								
				7:00	.11	.0001	.0019								
				10:00	.11	.0001	.0022								
				12:00	.12	.0001	.0024								
				Nov. 2											
				a. m.											
				2:00	.14	.0001	.0002								
				5:00	.14	.0001	.0005								
				8:00	.13	.0001	.0008								
				12:00	.13	.0001	.0012								
				Nov. 3											
				a. m.											
				2:00	.60	.0006	.0012								
				5:00	.57	.0006	.0030								
				7:00	.54	.0006	.0042								
				10:00	.51	.0006	.0060								
				Nov. 4											
				a. m.											
				4:00	.44	.0005	.0020								
				7:00	.44	.0005	.0035								
				11:00	.42	.0004	.0051								
				Nov. 5											
				a. m.											
				4:00	.39	.0004	.0016								
				8:30	.39	.0004	.0034								
				9:30	.44	.0005	.0038								
				10:00	.48	.0005	.0040								
				12:00	.46	.0005	.0134								
				Nov. 6											
				a. m.											
				1:20	.81	.0009	.0055								
				3:00	1.00	.0011	.0058								
				1:00	1.20	.0013	.0064								
				2:00	1.56	.0017	.0069								
				4:00	1.70	.0018	.0075								
				2:00	2.01	.0022	.0082								
				3:00	2.37	.0026	.0090								
				5:00	2.58	.0028	.0103								
				7:00	2.58	.0028	.0131								
				9:00	2.37	.0026	.0153								
				11:00	2.19	.0024	.0178								
				1:00	2.10	.0023	.0186								
				3:00	2.10	.0023	.0232								
				5:00	2.19	.0024	.0248								
				7:00	2.01	.0022	.0271								
				9:00	1.85	.0020	.0285								
				11:00	1.70	.0018	.0304								
				12:00	1.56	.0017	.0315								
				Nov. 7											
				a. m.											
				1:20	1.42	.0015	.0021								
				3:00	1.30	.0014	.0046								
				5:00	1.20	.0013	.0072								
				7:00	1.10	.0012	.0092								
				9:00	1.10	.0012	.0116								
				11:00	1.05	.0011	.0132								
				12:00	1.05	.0011	.0143								
				Nov. 8											
				a. m.											



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Nov. 7				Nov. 11				Nov. 19				Nov. 26			
a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches
2:00-----	0.81	0.0009	0.0018	6:00-----	4.31	0.0047	0.0847	9:00-----	0.81	0.0009	0.0189	2:30-----	3.41	0.0037	0.0127
5:00-----	.81	.0009	.0045	7:00-----	3.83	.0041	.0891	12:00-----	.78	.0008	.0216	:40-----	4.84	.0052	.0134
9:00-----	.78	.0008	.0081	8:00-----	3.54	.0038	.0931					:50-----	6.20	.0067	.0144
				9:00-----	3.28	.0035	.0967	Nov. 20				3:00-----	7.81	.0084	.0157
p. m.				10:00-----	2.91	.0031	.1000					:05-----	9.38	.0101	.0165
2:00-----	.74	.0008	.0121	11:00-----	2.69	.0029	.1030	p. m.				:10-----	11.7	.0126	.0175
7:00-----	.74	.0008	.0161	12:00-----	2.58	.0028	.1059	12:00-----	.78	.0008	.0192	:15-----	13.5	.0146	.0186
10:00-----	.70	.0008	.0185									:20-----	15.3	.0165	.0199
12:00-----	.70	.0008	.0201	Nov. 12				Nov. 21				:30-----	18.8	.0203	.0230
Nov. 8				a. m.				a. m.				:35-----	21.8	.0235	.0248
a. m.				1:00-----	2.47	.0027	.0027	5:00-----	.74	.0008	.0040	:40-----	22.9	.0247	.0268
3:00-----	.67	.0007	.0021	2:00-----	2.37	.0026	.0053					:50-----	25.6	.0276	.0312
5:00-----	.67	.0007	.0035	4:00-----	2.19	.0024	.0103	p. m.				4:00-----	30.0	.0324	.0362
9:00-----	.63	.0007	.0063	5:00-----	2.10	.0023	.0127	7:00-----	.74	.0008	.0152	:05-----	31.2	.0337	.0390
12:00-----	.63	.0007	.0084	7:00-----	2.01	.0022	.0171	12:00-----	.70	.0008	.0192	:20-----	32.6	.0352	.0476
				8:30-----	1.93	.0021	.0202					:30-----	33.4	.0361	.0535
p. m.				10:30-----	1.85	.0020	.0242	Nov. 22				:40-----	32.6	.0352	.0594
3:00-----	.60	.0006	.0102					a. m.				5:00-----	30.6	.0330	.0707
9:00-----	.60	.0006	.0138	p. m.				2:00-----	.74	.0008	.0016	:20-----	28.1	.0303	.0812
12:00-----	.57	.0006	.0156	1:00-----	1.77	.0019	.0292	6:00-----	.70	.0008	.0048	:40-----	25.0	.0270	.0908
Nov. 9				3:00-----	1.70	.0018	.0328	10:00-----	.70	.0008	.0080	:20-----	22.4	.0242	.0993
a. m.				6:00-----	1.63	.0018	.0382					:30-----	20.8	.0225	.1071
4:00-----	.54	.0006	.0024	9:30-----	1.56	.0017	.0445	p. m.				:40-----	19.7	.0213	.1108
				12:00-----	1.49	.0016	.0485	3:00-----	.67	.0007	.0115	:20-----	24.5	.0255	.1148
p. m.								8:00-----	.63	.0007	.0150	:40-----	23.9	.0258	.1235
12:00-----	.54	.0006	.0144	Nov. 13				12:00-----	.63	.0007	.0178	7:00-----	19.7	.0213	.1353
Nov. 10				a. m.								:40-----	20.8	.0225	.1390
a. m.				4:00-----	1.42	.0015	.0060	Nov. 23				8:00-----	22.4	.0242	.1468
5:00-----	.54	.0006	.0030	7:00-----	1.36	.0015	.0105	a. m.				:20-----	23.4	.0253	.1550
10:00-----	.57	.0006	.0060	10:00-----	1.30	.0014	.0150	3:00-----	.63	.0007	.0021	:30-----	23.9	.0258	.1593
								8:00-----	.60	.0006	.0056	:40-----	23.9	.0258	.1636
p. m.				p. m.								9:00-----	22.9	.0247	.1720
1:00-----	.54	.0006	.0078	6:00-----	1.30	.0014	.0262	4:00-----	.60	.0006	.0104	:20-----	21.8	.0235	.1800
3:00-----	.54	.0006	.0090	9:00-----	1.25	.0014	.0304	8:00-----	.63	.0007	.0121	:40-----	20.2	.0218	.1876
6:00-----	.57	.0006	.0108	12:00-----	1.20	.0013	.0343	p. m.				10:00-----	18.8	.0203	.1946
9:00-----	.54	.0006	.0126					4:00-----	.60	.0006	.0104	:30-----	17.1	.0185	.2043
12:00-----	.54	.0006	.0144	Nov. 14				6:30-----	.63	.0007	.0121	11:00-----	15.7	.0170	.2132
Nov. 11				a. m.				8:20-----	.67	.0007	.0134	:30-----	14.6	.0158	.2214
a. m.				5:00-----	1.15	.0012	.0065	9:00-----	.70	.0008	.0139	12:00-----	13.5	.0146	.2290
12:40-----	.54	.0006	.0004	10:00-----	1.10	.0012	.0125	10:00-----	.74	.0008	.0147				
2:00-----	.60	.0006	.0012					:40-----	.78	.0006	.0152				
3:00-----	.67	.0007	.0019	p. m.				11:30-----	.81	.0009	.0158				
:30-----	.74	.0008	.0022	12:00-----	1.10	.0012	.0293	12:00-----	.81	.0009	.0162	Nov. 27			
:40-----	.81	.0009	.0023	Nov. 15								a. m.			
4:00-----	1.00	.0011	.0026	p. m.				1:30-----	.86	.0009	.0014	12:20-----	12.8	.0138	.0047
:20-----	1.30	.0014	.0030	12:00-----	1.10	.0012	.0288	2:30-----	.91	.0010	.0024	1:00-----	11.7	.0126	.0135
:40-----	1.70	.0018	.0035					3:00-----	.95	.0010	.0029	:20-----	11.1	.0120	.0176
:50-----	1.85	.0020	.0038	Nov. 16				4:00-----	1.05	.0011	.0039	2:00-----	10.2	.0110	.0253
5:05-----	2.01	.0022	.0043	a. m.				5:00-----	1.15	.0012	.0050	:30-----	9.66	.0104	.0304
:20-----	2.19	.0024	.0049	5:00-----	1.05	.0011	.0055	:40-----	1.20	.0013	.0059	3:00-----	9.10	.0098	.0354
:30-----	2.58	.0028	.0053	9:00-----	1.00	.0011	.0099	7:00-----	1.20	.0013	.0076	:20-----	8.82	.0095	.0386
:40-----	2.69	.0029	.0058	12:00-----	.95	.0010	.0132	8:20-----	1.15	.0012	.0092	4:00-----	8.31	.0090	.0447
:50-----	2.80	.0030	.0063					10:00-----	1.10	.0012	.0112	5:00-----	7.81	.0084	.0534
6:10-----	2.80	.0030	.0073	p. m.				11:00-----	1.05	.0011	.0124	6:00-----	7.33	.0079	.0615
:50-----	3.28	.0035	.0094	12:00-----	.95	.0010	.0252	p. m.				7:00-----	6.87	.0074	.0692
7:00-----	3.41	.0037	.0100	Nov. 17				12:20-----	1.00	.0011	.0139	8:00-----	6.41	.0069	.0764
8:20-----	3.41	.0037	.0149	a. m.				2:00-----	.95	.0010	.0155	9:00-----	6.20	.0067	.0832
:40-----	3.54	.0038	.0161	5:00-----	.91	.0010	.0050	5:00-----	.91	.0010	.0185	10:00-----	5.78	.0062	.0897
9:00-----	3.83	.0041	.0174	10:00-----	.91	.0010	.0100	9:00-----	.86	.0009	.0225	11:00-----	5.58	.0060	.0958
:20-----	4.48	.0048	.0189					12:00-----	.86	.0009	.0252				
:40-----	5.20	.0056	.0206	p. m.				Nov. 25				p. m.			
10:00-----	5.58	.0060	.0225	1:00-----	.91	.0010	.0130	a. m.				1:00-----	5.20	.0056	.1074
:20-----	6.20	.0067	.0246	2:00-----	.95	.0010	.0140	4:00-----	.81	.0009	.0036	2:30-----	5.02	.0054	.1157
:40-----	6.41	.0069	.0269	3:00-----	1.00	.0011	.0150	10:00-----	.78	.0008	.0090	:20-----	4.84	.0052	.1237
11:00-----	6.64	.0072	.0293	4:00-----	1.10	.0012	.0162					4:00-----	4.66	.0050	.1314
:20-----	7.56	.0082	.0319	5:10-----	1.20	.0013	.0176	p. m.				5:30-----	4.48	.0048	.1388
:40-----	8.56	.0092	.0348	6:10-----	1.25	.0014	.0189	4:00-----	.78	.0008	.0138	7:00-----	4.31	.0047	.1460
12:00-----	9.94	.0107	.0381	8:00-----	1.20	.0013	.0215	9:00-----	.74	.0008	.0178	8:30-----	4.15	.0045	.1529
				9:30-----	1.15	.0012	.0233	12:00-----	.74	.0008	.0202	10:00-----	3.99	.0043	.1617
p. m.				11:00-----	1.10	.0012	.0251								
12:10-----	10.5	.0113	.0399	12:00-----	1.05	.0011	.0263	Nov. 26							
:20-----	10.8	.0117	.0418	Nov. 18				a. m.							
:30-----	10.8	.0117	.0438	a. m.				4:00-----	.74	.0008	.0032				
:40-----	10.5	.0113	.0457	2:30-----	1.00	.0011	.0027	7:00-----	.70	.0008	.0056	p. m.			
1:00-----	10.2	.0110	.0494	4:30-----	.95	.0010	.0047	9:00-----	.70	.0008	.0072	1:00-----	2.80	.0030	.0477
:20-----	9.94	.0107	.0530	7:00-----	.91	.0010	.0072	11:30-----	.74	.0008	.0092	5:00-----	2.80	.0030	.0597
:40-----	9.38	.0101	.0565	9:00-----	.86	.0009	.0092	12:00-----	.78	.0008	.0096	8:00-----	2.69	.0029	.0687
2:00-----	8.56	.0092	.0597	12:00-----	.86	.0009	.0119					12:00-----	2.58	.0028	.0803
:20-----	7.81	.0084	.0626					p. m.							
:40-----	7.33	.0079	.0653	p. m.				12:40-----	.81	.0009	.0101	Nov. 29			
3:00-----	6.64	.0072	.0678	3:00-----	.91	.0010	.0146	1:00-----	.91	.0010	.0104	a. m.			
:20-----	6.20	.0067	.0701	7:00-----	.91	.0010	.0186	:20-----	1.00	.0011	.0107	1:00-----	2.47	.0027	.0165
:40-----	5.78	.0062	.0723	10:00-----	.86	.0009	.0213	:40-----	1.15	.0012	.0111	3:00-----	2.58	.0028	.0193
4:00-----	5.58	.0060	.0743	12:00-----	.81	.0009	.0231	:50-----	1.25	.0014	.0113	6:00-----	2.58	.0028	.0221
:20-----	5.20	.0056	.0762					2:00-----	1.49	.0016	.0115	8:00-----	2.58	.0028	.0221
5:00-----	4.84	.0052	.0798					:10-----	1.77	.0019	.0118	9:30-----	2.47	.0027	.0261
:30-----	4.48	.0048	.0823					:20-----	2.37	.0026	.0122				



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Nov. 29				Dec. 5				Dec. 12				Dec. 16			
<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>			
4:00-----	2.47	0.0027	0.0437	1:00-----	1.15	0.0012	0.0172	4:00-----	0.81	0.0009	0.0036	2:40-----	3.83	0.0041	0.0065
6:00-----	2.37	.0026	.0491	5:00-----	1.15	.0012	.0220	8:00-----	.86	.0009	.0072	3:00-----	4.66	.0050	.0080
9:00-----	2.28	.0025	.0569	8:00-----	1.10	.0012	.0256	11:00-----	.91	.0010	.0099	:10-----	5.78	.0062	.0089
12:00-----	2.19	.0024	.0644	12:00-----	1.10	.0012	.0304	12:00-----	.95	.0010	.0109	:20-----	6.64	.0072	.0100
Nov. 30				Dec. 6				<i>p. m.</i>				:30-----	7.56	.0082	.0113
<i>a. m.</i>				<i>a. m.</i>				12:40-----	1.00	.0011	.0116	:40-----	8.82	.0095	.0128
4:00-----	2.10	.0023	.0096	4:00-----	1.00	.0011	.0048	1:00-----	1.05	.0011	.0120	4:00-----	11.1	.0120	.0164
9:00-----	2.01	.0022	.0211	9:00-----	.95	.0010	.0081	2:00-----	1.20	.0013	.0132	:20-----	13.5	.0146	.0208
12:00-----	2.01	.0022	.0277	12:00-----	1.00	.0011	.0114	:20-----	1.30	.0014	.0136	:40-----	14.6	.0158	.0259
<i>p. m.</i>				<i>p. m.</i>				:40-----	1.42	.0015	.0141	5:00-----	15.3	.0165	.0313
2:00-----	2.10	.0023	.0323	2:00-----	1.05	.0011	.0158	3:00-----	1.56	.0017	.0146	:20-----	14.9	.0161	.0367
3:10-----	2.19	.0024	.0350	4:00-----	1.10	.0012	.0182	:20-----	1.77	.0019	.0152	:40-----	14.6	.0158	.0420
4:00-----	2.28	.0025	.0370	12:00-----	1.10	.0012	.0278	:40-----	1.85	.0020	.0158	6:00-----	13.5	.0146	.0471
5:00-----	2.47	.0027	.0396	<i>a. m.</i>				4:00-----	2.01	.0022	.0165	:20-----	13.1	.0141	.0519
6:30-----	2.58	.0028	.0437	1:20-----	1.10	.0012	.0016	:30-----	2.19	.0024	.0177	:40-----	12.4	.0134	.0565
8:00-----	2.69	.0029	.0479	2:30-----	1.15	.0012	.0030	5:00-----	2.47	.0027	.0190	7:00-----	11.4	.0123	.0608
11:00-----	2.80	.0030	.0566	4:00-----	1.20	.0013	.0048	:20-----	2.58	.0028	.0199	8:00-----	9.94	.0107	.0723
12:00-----	2.69	.0029	.0595	5:00-----	1.25	.0014	.0061	:40-----	2.80	.0030	.0209	9:00-----	8.56	.0092	.0822
Dec. 1				6:00-----	1.30	.0014	.0070	6:00-----	3.28	.0035	.0220	11:00-----	7.10	.0077	.0890
<i>a. m.</i>				:40-----	1.42	.0015	.0079	:20-----	3.99	.0043	.0233	12:00-----	6.64	.0072	.1065
2:00-----	2.58	.0028	.0056	7:00-----	1.56	.0017	.0090	:35-----	4.66	.0050	.0245	<i>p. m.</i>			
3:30-----	2.47	.0027	.0098	8:00-----	1.77	.0019	.0108	:40-----	5.02	.0054	.0249	12:40-----	6.41	.0069	.1112
5:00-----	2.37	.0026	.0139	9:40-----	1.85	.0020	.0121	:50-----	5.78	.0062	.0259	1:20-----	6.41	.0069	.1158
6:00-----	2.28	.0025	.0165	11:00-----	1.93	.0021	.0169	7:00-----	6.64	.0072	.0270	:40-----	7.81	.0084	.1184
8:00-----	2.19	.0024	.0215	<i>p. m.</i>				:20-----	7.33	.0079	.0295	:50-----	9.10	.0098	.1199
10:00-----	2.10	.0023	.0263	1:00-----	1.85	.0020	.0209	:35-----	7.56	.0082	.0322	2:00-----	11.1	.0120	.1217
<i>p. m.</i>				2:00-----	1.77	.0019	.0229	:40-----	8.56	.0092	.0351	:10-----	12.1	.0131	.1238
2:00-----	2.01	.0022	.0355	3:20-----	1.70	.0018	.0254	:20-----	8.56	.0092	.0382	:20-----	14.2	.0153	.1262
7:00-----	1.93	.0021	.0465	4:40-----	1.63	.0018	.0278	:40-----	8.06	.0087	.0412	:40-----	16.2	.0175	.1317
12:00-----	1.85	.0020	.0570	6:00-----	1.56	.0017	.0301	9:00-----	7.33	.0079	.0440	3:00-----	15.3	.0165	.1374
Dec. 2				7:20-----	1.49	.0016	.0324	:20-----	6.87	.0074	.0465	:10-----	15.3	.0165	.1401
<i>a. m.</i>				9:00-----	1.42	.0015	.0351	:40-----	6.41	.0069	.0489	:30-----	16.2	.0175	.1458
4:00-----	1.77	.0019	.0080	10:30-----	1.36	.0015	.0374	10:00-----	6.20	.0067	.0512	:40-----	15.3	.0165	.1486
8:00-----	1.70	.0018	.0156	12:00-----	1.30	.0014	.0396	:20-----	5.78	.0062	.0533	4:00-----	13.9	.0150	.1539
11:00-----	1.63	.0018	.0210	Dec. 8				11:00-----	5.38	.0058	.0573	:20-----	12.4	.0134	.1586
<i>p. m.</i>				<i>a. m.</i>				12:00-----	4.84	.0052	.0628	:40-----	11.4	.0123	.1629
4:00-----	1.70	.0018	.0300	4:00-----	1.25	.0014	.0056	Dec. 13				5:00-----	10.8	.0117	.1669
8:00-----	1.63	.0018	.0372	7:00-----	1.20	.0013	.0095	<i>a. m.</i>				:20-----	9.94	.0107	.1706
12:00-----	1.56	.0017	.0440	10:00-----	1.15	.0012	.0134	1:00-----	4.48	.0048	.0050	:40-----	9.38	.0101	.1741
Dec. 3				<i>p. m.</i>				2:00-----	4.15	.0045	.0096	6:00-----	9.10	.0098	.1774
<i>a. m.</i>				2:00-----	1.15	.0012	.0182	3:00-----	3.83	.0041	.0139	:20-----	8.82	.0095	.1806
1:00-----	1.49	.0016	.0016	3:00-----	1.30	.0014	.0195	4:00-----	3.54	.0038	.0178	7:00-----	8.31	.0090	.1868
2:30-----	1.42	.0015	.0039	6:00-----	1.30	.0014	.0237	5:00-----	3.41	.0037	.0216	8:00-----	7.56	.0082	.1954
3:30-----	1.36	.0015	.0054	9:00-----	1.25	.0014	.0279	6:00-----	3.28	.0035	.0252	9:00-----	7.10	.0077	.2033
4:30-----	1.30	.0014	.0069	12:00-----	1.20	.0013	.0318	:40-----	2.91	.0031	.0274	10:00-----	6.41	.0069	.2106
7:00-----	1.30	.0014	.0104	Dec. 9				8:00-----	2.69	.0029	.0314	11:00-----	6.20	.0067	.2174
8:00-----	1.25	.0014	.0118	<i>a. m.</i>				10:00-----	2.58	.0028	.0372	12:00-----	5.99	.0065	.2240
:50-----	1.30	.0014	.0130	4:00-----	1.20	.0013	.0052	12:00-----	2.37	.0026	.0426	Dec. 17			
9:00-----	1.36	.0015	.0135	7:00-----	1.15	.0012	.0091	<i>p. m.</i>				<i>a. m.</i>			
:40-----	1.36	.0015	.0142	9:00-----	1.10	.0012	.0115	3:00-----	2.28	.0025	.0501	1:00-----	5.58	.0060	.0062
10:00-----	1.49	.0016	.0147	10:00-----	1.05	.0011	.0126	6:00-----	2.19	.0024	.0576	3:00-----	5.20	.0056	.0178
:20-----	1.42	.0015	.0152	12:00-----	1.00	.0011	.0148	9:00-----	2.10	.0023	.0645	4:30-----	5.02	.0054	.0261
:40-----	1.36	.0015	.0157	<i>p. m.</i>				12:00-----	2.01	.0022	.0714	6:00-----	4.84	.0052	.0340
<i>p. m.</i>				4:00-----	1.05	.0011	.0192	Dec. 14				8:00-----	4.48	.0048	.0440
5:00-----	1.36	.0015	.0252	7:00-----	1.05	.0011	.0280	<i>a. m.</i>				10:00-----	4.31	.0047	.0536
7:00-----	1.30	.0014	.0280	Dec. 10				4:00-----	2.01	.0022	.0088	12:00-----	4.15	.0045	.0628
:20-----	1.25	.0014	.0285	<i>a. m.</i>				7:00-----	1.93	.0021	.0151	<i>p. m.</i>			
:40-----	1.20	.0013	.0290	2:00-----	.95	.0010	.0154	10:00-----	1.85	.0020	.0214	3:00-----	3.99	.0043	.0760
8:00-----	1.15	.0012	.0294	7:00-----	.91	.0010	.0204	<i>p. m.</i>				6:00-----	3.83	.0041	.0856
9:20-----	1.10	.0012	.0310	12:00-----	.91	.0010	.0254	7:00-----	1.85	.0020	.0394	9:00-----	3.67	.0040	.1006
12:00-----	1.10	.0012	.0342	Dec. 11				10:00-----	1.77	.0019	.0451	12:00-----	3.54	.0038	.1123
Dec. 4				<i>a. m.</i>				12:00-----	1.77	.0019	.0489	Dec. 18			
<i>a. m.</i>				2:00-----	1.05	.0011	.0022	Dec. 15				<i>a. m.</i>			
2:00-----	1.15	.0012	.0024	5:00-----	1.00	.0011	.0055	<i>a. m.</i>				5:00-----	3.41	.0037	.0185
6:00-----	1.20	.0013	.0076	9:00-----	1.00	.0011	.0099	3:00-----	1.77	.0019	.0057	8:00-----	3.28	.0035	.0293
7:00-----	1.20	.0013	.0089	<i>p. m.</i>				7:00-----	1.70	.0018	.0133	10:00-----	3.15	.0034	.0361
8:00-----	1.25	.0014	.0102	2:00-----	.95	.0010	.0154	<i>p. m.</i>				12:00-----	3.02	.0033	.0429
10:30-----	1.30	.0014	.0137	7:00-----	.91	.0010	.0204	2:00-----	1.70	.0018	.0259	<i>p. m.</i>			
<i>p. m.</i>				12:00-----	.91	.0010	.0254	6:00-----	1.77	.0019	.0331	5:00-----	2.91	.0031	.0493
1:30-----	1.30	.0014	.0179	Dec. 12				10:00-----	1.70	.0018	.0407	10:00-----	2.69	.0029	.0733
3:00-----	1.25	.0014	.0200	<i>a. m.</i>				12:00-----	1.77	.0019	.0443	12:00-----	2.69	.0029	.0791
4:00-----	1.20	.0013	.0214	5:00-----	.86	.0009	.0050	Dec. 16				Dec. 19			
6:00-----	1.25	.0014	.0242	7:00-----	.86	.0009	.0068	<i>a. m.</i>				<i>a. m.</i>			
12:00-----	1.25	.0014	.0326	11:00-----	.81	.0009	.0104	12:30-----	1.77	.0019	.0010	3:00-----	2.58	.0028	.0084
Dec. 5				<i>p. m.</i>				1:00-----	1.85	.0020	.0020	7:00-----	2.47	.0027	.0196
<i>a. m.</i>				12:00-----	.81	.0009	.0221	:20-----	2.01	.0022	.0027	<i>p. m.</i>			
6:00-----	1.25	.0014	.0084	Dec. 13				:40-----	2.19	.0024	.0035	9:00-----	2.47	.0027	.0574
10:00-----	1.20	.0013	.0136	<i>a. m.</i>				2:00-----	2.47	.0027	.0043	12:00-----	2.37	.0026	.0652
				11:00-----	.81	.0009	.0221	:20-----	2.80	.0030	.0053				



TABLE 19.—Run-off from watershed 92, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Dec. 20				Dec. 25				Dec. 28				Dec. 29			
<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
2:00-----	2.37	0.0026	0.0052	5:00-----	1.20	0.0013	0.0070	1:00-----	5.02	0.0054	0.0054	8:20-----	20.8	0.0225	0.2305
6:00-----	2.28	.0025	.0156	10:00-----	1.20	.0013	.0135	2:00-----	4.84	.0052	.0107	9:00-----	21.8	.0235	.2458
11:00-----	2.19	.0024	.0276					4:00-----	4.48	.0048	.0207	:20-----	21.8	.0235	.2536
<i>p. m.</i>				2:00-----	1.25	.0014	.0187	5:30-----	4.31	.0047	.0279	:40-----	22.9	.0247	.2616
5:00-----	2.19	.0024	.0420	11:00-----	1.25	.0014	.0313	7:00-----	4.15	.0045	.0348	10:10-----	23.9	.0258	.2743
9:00-----	2.10	.0023	.0516	12:00-----	1.30	.0014	.0327	9:00-----	3.83	.0041	.0434	:40-----	22.9	.0247	.2869
12:00-----	2.01	.0022	.0582	Dec. 26				11:30-----	3.54	.0038	.0531	11:00-----	21.8	.0235	.2949
Dec. 21				<i>a. m.</i>				<i>p. m.</i>				:40-----	19.7	.0213	.3098
<i>a. m.</i>				1:00-----	1.42	.0015	.0015	2:00-----	3.41	.0037	.0626	<i>p. m.</i>			
5:00-----	2.01	.0022	.0110	2:00-----	1.63	.0018	.0031	4:00-----	3.28	.0035	.0698	12:20-----	17.1	.0185	.3231
10:00-----	1.93	.0021	.0220	3:00-----	1.77	.0019	.0050	6:00-----	3.02	.0033	.0766	1:00-----	15.3	.0165	.3348
<i>p. m.</i>				4:00-----	1.85	.0020	.0069	7:00-----	3.28	.0035	.0800	2:00-----	13.9	.0150	.3505
3:00-----	1.93	.0021	.0325	5:00-----	1.93	.0021	.0089	:30-----	3.54	.0038	.0819	3:00-----	12.4	.0134	.3647
7:00-----	1.85	.0020	.0405	6:00-----	1.93	.0021	.0110	8:00-----	3.83	.0041	.0839	4:00-----	11.7	.0126	.3777
10:00-----	1.85	.0020	.0465	7:20-----	1.85	.0020	.0137	:40-----	4.15	.0045	.0867	:40-----	11.1	.0120	.3859
12:00-----	1.77	.0019	.0505	8:30-----	1.77	.0019	.0160	9:00-----	4.48	.0048	.0883	8:40-----	11.1	.0120	.4339
Dec. 22				10:00-----	1.70	.0018	.0187	:20-----	4.48	.0048	.0899	10:00-----	10.5	.0113	.4495
<i>a. m.</i>				11:30-----	1.63	.0018	.0214	10:00-----	4.84	.0052	.0932	11:00-----	10.5	.0113	.4608
6:00-----	1.77	.0019	.0114	<i>p. m.</i>				:40-----	5.20	.0056	.0968	12:00-----	10.2	.0110	.4719
10:00-----	1.70	.0018	.0186	3:00-----	1.56	.0017	.0277	11:00-----	5.20	.0056	.0987				
<i>p. m.</i>				7:00-----	1.49	.0016	.0341	:30-----	5.58	.0060	.1016	Dec. 30			
1:00-----	1.70	.0018	.0240	10:00-----	1.42	.0015	.0389	12:00-----	6.20	.0067	.1048	<i>a. m.</i>			
6:00-----	1.63	.0018	.0330	12:00-----	1.42	.0015	.0419	Dec. 29				1:00-----	9.94	.0107	.0108
11:00-----	1.56	.0017	.0415	Dec. 27				<i>a. m.</i>				2:00-----	9.66	.0104	.0213
12:00-----	1.56	.0017	.0432	<i>a. m.</i>				12:10-----	6.41	.0069	.0011	4:00-----	9.38	.0101	.0417
Dec. 23				3:00-----	1.36	.0015	.0045	:30-----	7.33	.0079	.0036	5:40-----	9.10	.0098	.0582
<i>a. m.</i>				6:00-----	1.36	.0015	.0090	:40-----	8.31	.0090	.0050	7:00-----	8.82	.0095	.0710
5:00-----	1.49	.0016	.0085	9:00-----	1.30	.0014	.0132	1:00-----	9.38	.0101	.0082	8:00-----	8.31	.0090	.0803
8:00-----	1.49	.0016	.0133	<i>p. m.</i>				:20-----	10.5	.0113	.0118	9:00-----	7.81	.0084	.0890
12:00-----	1.42	.0015	.0193	3:40-----	1.30	.0014	.0225	:40-----	11.1	.0120	.0157	10:20-----	7.33	.0079	.0998
<i>p. m.</i>				4:00-----	1.36	.0015	.0230	2:00-----	11.7	.0126	.0198	12:00-----	7.10	.0077	.1128
6:00-----	1.42	.0015	.0283	:10-----	1.42	.0015	.0233	:20-----	13.9	.0150	.0244	<i>p. m.</i>			
10:00-----	1.36	.0015	.0343	:40-----	1.63	.0018	.0241	:30-----	16.2	.0175	.0271	4:00-----	6.87	.0074	.1428
12:00-----	1.36	.0015	.0373	5:00-----	1.93	.0021	.0248	:40-----	18.8	.0203	.0303	6:00-----	6.41	.0069	.1572
Dec. 24				:20-----	2.37	.0026	.0256	:50-----	22.4	.0242	.0340	7:20-----	6.20	.0067	.1663
<i>a. m.</i>				:30-----	3.02	.0033	.0261	3:00-----	28.7	.0310	.0386	9:00-----	5.99	.0065	.1773
4:00-----	1.30	.0014	.0060	6:00-----	4.15	.0045	.0280	:10-----	32.6	.0352	.0441	10:30-----	5.78	.0062	.1867
9:00-----	1.25	.0014	.0130	:10-----	5.20	.0056	.0288	:20-----	36.2	.0391	.0503	12:00-----	5.58	.0060	.1959
<i>p. m.</i>				:20-----	5.78	.0062	.0298	:30-----	38.4	.0415	.0570	Dec. 31			
1:30-----	1.30	.0014	.0193	:40-----	5.99	.0065	.0319	:40-----	40.9	.0442	.0641	<i>a. m.</i>			
4:00-----	1.36	.0015	.0228	7:00-----	6.41	.0069	.0341	:50-----	43.4	.0469	.0717	4:00-----	5.38	.0058	.0236
7:00-----	1.30	.0014	.0273	:20-----	7.10	.0077	.0365	4:10-----	45.1	.0487	.0876	6:00-----	5.20	.0056	.0350
12:00-----	1.25	.0014	.0343	:40-----	7.10	.0077	.0391	:20-----	42.6	.0460	.1034	8:00-----	5.02	.0054	.0460
				8:00-----	6.87	.0074	.0416	:40-----	37.7	.0407	.1179	11:00-----	4.84	.0052	.0619
				:20-----	6.41	.0069	.0440	:50-----	35.5	.0383	.1245	<i>p. m.</i>			
				:40-----	5.99	.0065	.0462	5:20-----	34.8	.0376	.1434	2:00-----	4.66	.0050	.0772
				9:10-----	5.58	.0060	.0493	:40-----	34.1	.0368	.1558	5:00-----	4.66	.0050	.0922
				:40-----	5.20	.0056	.0522	6:00-----	32.6	.0352	.1678	9:00-----	4.48	.0048	.1118
				10:40-----	4.84	.0052	.0576	:30-----	28.7	.0310	.1843	12:00-----	4.48	.0048	.1262
				11:00-----	4.84	.0052	.0593	7:00-----	25.0	.0270	.1988				
				12:00-----	5.02	.0054	.0646	:20-----	22.9	.0247	.2074				
								:50-----	20.8	.0225	.2192				



TABLE 20.—Run-off from watershed 95, 1940

LOCATION: Latitude 40°23'03'', longitude 81°49'04''.

## PHYSICAL CHARACTERISTICS:

*Drainage area.*—4.02 square miles (2,569 acres).*Length of principal watercourse.*—18,700 feet.*Topography.*—The area is highly dissected and well drained and has steep slopes of moderate length. Aspect is to the southwest. Nine major tributaries and numerous minor tributaries enter the main channel above the gaging station and contribute nearly continuous flow.*Slope.*—The average slope on this watershed has not been determined. In general the valleys are narrow and have high gradients. Six percent of the watershed has a slope of less than 6 percent; 12 percent, 6 to 10 percent; 51 percent, 10 to 20 percent; and 31 percent has a slope of 20 percent or more.*Erosion condition.*—There are occasional gullies more than 100 feet apart on 4 percent of the area, frequent gullies less than 100 feet apart on 20 acres, and land slips on 3 percent of the area. Six acres have been so dissected by large and frequent gullies as to be unfit for agricultural use. Less than 25 percent of the topsoil has been removed from 15 percent of the watershed, 25 to 50 percent from 30 percent, 50 to 75 percent from 28 percent, and over 75 percent of the topsoil from 10 percent of the watershed. There has been no erosion on 16 percent of the area.*Soil.*—Keene silt loam is the predominant soil on this watershed. It occupies approximately 19 percent of the area.

## LAND USE AND VEGETAL COVER:

*Land use.*—Mixed cover, conservation practices on part of the area.*Vegetal cover and soil condition.*—See table 10.

## MEASUREMENTS:

*Precipitation.*—Rainfall was measured at 5 recording rain gages, 1, 7, 8, 14, and 27, and 27 nonrecording rain gages (fig. 1). Snowfall was measured at the rain gages supplemented by snow boards. Snow inventory on the watershed was based on surveys and observations made on typical areas near project headquarters.*Run-off.*—Run-off was measured by current-meter station with Columbus deep-notch weir control. Records of run-off are very good. The rating curve was established from 37 discharge measurements, all made at discharges of less than 400 cubic feet per second.*Soil loss.*—Records of soil loss were not obtained.*Changes in instrumentation during year.*—None.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, JANUARY 1937 TO DECEMBER 1940:

*Rainfall.*—Total precipitation for 1940, 46.95 inches; average annual precipitation for period of record, 42.33 inches.*Run-off.*—Annual run-off amount 1940, 17.44 inches; maximum rate of run-off for period of record, 0.186 inch per hour, Apr. 20, 1940.

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
Jan. 1					Jan. 7					Jan. 13					Jan. 14				
a. m.					a. m.					p. m.					a. m.				
9:00-----	0.22	0.0001	0.0009		4:00-----	0.13	0.0001	0.0004		12:30-----	0.29	0.0001	0.0013		8:30-----	10.1	0.0039	0.0084	
					12:00-----	.13	T	.0012		4:00-----	.30	.0001	.0017		:40-----	12.9	.0050	.0091	
p. m.										5:30-----	.32	.0001	.0019		:50-----	16.0	.0062	.0100	
6:00-----	.20	.0001	.0018		p. m.					7:00-----	.34	.0001	.0021		9:00-----	19.6	.0076	.0110	
12:00-----	.20	.0001	.0024		12:00-----	.12	T	.0024		8:35-----	.36	.0001	.0023		:10-----	23.0	.0089	.0124	
Jan. 2					Jan. 8					:40-----	.40	.0002	.0023		:20-----	26.7	.0103	.0140	
a. m.					p. m.					:45-----	.52	.0002	.0023		:30-----	29.8	.0115	.0158	
3:00-----	.20	.0001	.0003		6:00-----	.12	T	.0018		:48-----	.60	.0002	.0023		:40-----	33.0	.0127	.0178	
9:30-----	.19	.0001	.0010		12:00-----	.13	.0001	.0024		:50-----	.70	.0003	.0023		:50-----	35.3	.0136	.0200	
										:52-----	.77	.0003	.0023		10:00-----	37.7	.0146	.0224	
p. m.					Jan. 9					:54-----	.81	.0003	.0024		:20-----	40.8	.0157	.0274	
3:00-----	.18	.0001	.0016		p. m.					:56-----	.86	.0003	.0024		:30-----	40.8	.0157	.0300	
12:00-----	.16	.0001	.0025		12:00-----	.13	.0001	.0024		9:00-----	.90	.0003	.0025		:40-----	42.1	.0162	.0327	
Jan. 3										:20-----	.99	.0004	.0025		11:00-----	43.4	.0167	.0382	
a. m.					Jan. 10					:40-----	1.04	.0004	.0026		:10-----	46.8	.0180	.0411	
12:00-----	.15	.0001	.0012		p. m.					10:00-----	1.10	.0004	.0027		:20-----	48.2	.0186	.0442	
p. m.					12:00-----	.13	.0001	.0024		:40-----	1.15	.0004	.0030		:35-----	51.0	.0196	.0490	
12:00-----	.15	.0001	.0024							11:00-----	1.21	.0005	.0032		:42-----	50.3	.0194	.0513	
Jan. 4					Jan. 11					:10-----	1.21	.0005	.0033		:56-----	51.0	.0196	.0558	
a. m.					a. m.					:20-----	1.26	.0005	.0034		12:00-----	50.3	.0194	.0571	
5:00-----	.14	.0001	.0005		4:00-----	.13	.0001	.0004		Jan. 14					p. m.				
11:00-----	.13	.0001	.0011		12:00-----	.14	.0001	.0012		a. m.					12:08-----	48.2	.0186	.0596	
p. m.										12:20-----	1.40	.0005	.0002		:16-----	48.9	.0188	.0621	
12:00-----	.13	.0001	.0024		Jan. 12					:40-----	1.46	.0006	.0004		:20-----	48.2	.0186	.0634	
Jan. 5					p. m.					1:00-----	1.53	.0006	.0006		:30-----	45.4	.0175	.0664	
a. m.					12:00-----	.15	.0001	.0024		:30-----	1.60	.0006	.0009		:40-----	43.4	.0167	.0693	
2:00-----	.14	.0001	.0014							:50-----	1.68	.0006	.0011		1:00-----	39.5	.0152	.0746	
12:00-----	.14	.0001	.0024		Jan. 13					2:10-----	1.76	.0007	.0013		:15-----	37.7	.0146	.0783	
Jan. 6					a. m.					:30-----	1.85	.0007	.0015		:20-----	36.5	.0141	.0795	
a. m.					6:00-----	.16	.0001	.0006		:50-----	1.85	.0007	.0015		:25-----	35.9	.0139	.0807	
10:00-----	.13	.0001	.0010		12:00-----	.18	.0001	.0012		3:00-----	1.93	.0007	.0019		:30-----	35.9	.0139	.0819	
p. m.										:20-----	2.01	.0008	.0021		:40-----	34.8	.0134	.0842	
12:00-----	.13	.0001	.0024		p. m.					4:00-----	2.20	.0008	.0026		:44-----	35.9	.0139	.0851	
Jan. 7					3:00-----	.19	.0001	.0015		5:00-----	2.40	.0009	.0035		:50-----	34.2	.0132	.0865	
a. m.					6:20-----	.20	.0001	.0018		:50-----	2.61	.0010	.0042		:56-----	32.4	.0125	.0878	
12:00-----	.13	.0001	.0024		9:00-----	.22	.0001	.0021		6:15-----	2.72	.0010	.0046		2:00-----	31.9	.0123	.0886	
Jan. 8					12:00-----	.24	.0001	.0024		:20-----	2.83	.0011	.0047		:20-----	30.3	.0117	.0926	
a. m.										:40-----	2.94	.0011	.0051		:30-----	28.7	.0111	.0945	
12:00-----	.13	.0001	.0024		Jan. 14					7:00-----	3.06	.0012	.0055		:40-----	27.7	.0107	.0963	
Jan. 9					a. m.					:20-----	3.44	.0013	.0059		:50-----	27.7	.0107	.0981	
a. m.					4:00-----	.25	.0001	.0004		:40-----	3.86	.0015	.0064		3:00-----	27.2	.0105	.0999	
12:00-----	.13	.0001	.0024		8:00-----	.27	.0001	.0008		:50-----	4.16	.0016	.0067		:20-----	26.3	.0103	.1034	
Jan. 10										:10-----	5.00	.0019	.0070		:32-----	24.9	.0096	.1054	
a. m.					Jan. 15					:20-----	6.39	.0025	.0074		:40-----	25.3	.0098	.1067	
12:00-----	.13	.0001	.0024		a. m.										:45-----	25.3	.0098	.1075	
Jan. 11					8:00-----	.27	.0001	.0008							4:00-----	24.9	.0096	.1099	
a. m.																			
12:00-----	.13	.0001	.0024																



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Jan. 14	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Jan. 17	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Jan. 24	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Feb. 2	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>p. m.</i>			
4:20-----	23.9	0.0092	0.1130	6:40-----	1.85	0.0007	0.0046	4:00-----	0.52	0.0002	0.0008	4:00-----	0.30	0.0001	0.0016
:50-----	22.1	.0085	.1174	8:20-----	1.76	.0007	.0058	9:30-----	.50	.0002	.0019	7:20-----	.29	.0001	.0019
5:00-----	21.3	.0082	.1188	9:40-----	1.76	.0007	.0067					12:00-----	.29	.0001	.0024
:20-----	20.4	.0079	.1215	11:00-----	1.85	.0007	.0076	<i>p. m.</i>							
:40-----	19.6	.0076	.1241					12:00-----	.50	.0002	.0048	Feb. 3			
6:00-----	18.3	.0071	.1266	<i>p. m.</i>				Jan. 25				<i>a. m.</i>			
:20-----	17.5	.0068	.1289	2:00-----	1.85	.0007	.0097					8:00-----	.29	.0001	.0008
:40-----	16.8	.0065	.1311	3:10-----	1.76	.0007	.0105	<i>a. m.</i>				<i>p. m.</i>			
7:00-----	16.0	.0062	.1332	4:30-----	1.68	.0006	.0114	5:40-----	.50	.0002	.0011	1:00-----	.27	.0001	.0013
:20-----	15.3	.0059	.1352	5:50-----	1.60	.0006	.0122	7:40-----	.47	.0002	.0015	3:00-----	.27	.0001	.0015
:40-----	14.5	.0056	.1371	6:40-----	1.53	.0006	.0127	9:20-----	.45	.0002	.0018	7:00-----	.29	.0001	.0019
8:00-----	13.8	.0053	.1389	7:10-----	1.46	.0006	.0130					12:00-----	.27	.0001	.0024
:20-----	13.2	.0051	.1406	8:00-----	1.40	.0005	.0134	<i>p. m.</i>							
:40-----	12.9	.0050	.1423	9:00-----	1.33	.0005	.0139	12:10-----	.43	.0002	.0024	Feb. 4			
9:00-----	12.2	.0047	.1450	10:00-----	1.33	.0005	.0144	2:00-----	.40	.0002	.0028	<i>a. m.</i>			
:30-----	11.6	.0045	.1473	11:20-----	1.40	.0005	.0151	4:20-----	.38	.0001	.0033	5:00-----	.29	.0001	.0005
10:00-----	11.0	.0042	.1495	12:00-----	1.40	.0005	.0154	6:00-----	.36	.0001	.0035	11:00-----	.30	.0001	.0011
:30-----	10.4	.0040	.1516	Jan. 18				11:30-----	.38	.0001	.0041	<i>p. m.</i>			
11:00-----	9.87	.0038	.1536	<i>a. m.</i>				12:00-----	.40	.0001	.0042	12:00-----	.30	.0001	.0024
12:00-----	9.06	.0035	.1572	12:40-----	1.40	.0005	.0003	Jan. 26				Feb. 5			
Jan. 15				2:00-----	1.46	.0006	.0011	<i>a. m.</i>				<i>p. m.</i>			
<i>a. m.</i>				3:00-----	1.46	.0006	.0017	2:20-----	.43	.0002	.0002	12:00-----	.30	.0001	.0024
1:00-----	8.28	.0032	.0034	4:20-----	1.40	.0005	.0024	<i>p. m.</i>							
2:00-----	7.54	.0029	.0065	7:20-----	1.33	.0005	.0039	1:00-----	.43	.0002	.0024				
3:00-----	7.07	.0027	.0093	9:40-----	1.26	.0005	.0051	6:30-----	.40	.0001	.0030				
4:00-----	6.61	.0026	.0119	10:00-----	1.21	.0005	.0053	10:00-----	.38	.0001	.0034				
5:00-----	6.17	.0024	.0144	:50-----	1.26	.0005	.0057	11:20-----	.36	.0001	.0035	Feb. 6			
6:00-----	5.76	.0022	.0167	<i>p. m.</i>				12:00-----	.36	.0001	.0036	<i>a. m.</i>			
7:00-----	5.56	.0021	.0189	2:00-----	1.26	.0005	.0073					5:00-----	.32	.0001	.0005
8:10-----	5.18	.0020	.0212	4:20-----	1.21	.0005	.0085	Jan. 27				6:30-----	.32	.0001	.0007
9:10-----	4.82	.0019	.0231	6:00-----	1.15	.0004	.0092	<i>a. m.</i>				8:00-----	.32	.0001	.0009
10:10-----	4.48	.0017	.0249	7:40-----	1.10	.0004	.0099	1:10-----	.36	.0001	.0001	10:20-----	.34	.0001	.0011
11:20-----	4.32	.0017	.0269	9:10-----	1.04	.0004	.0105	4:00-----	.34	.0001	.0004	11:00-----	.36	.0001	.0012
12:00-----	4.48	.0017	.0280	:50-----	1.04	.0004	.0108	7:40-----	.34	.0001	.0008	:40-----	.38	.0001	.0013
<i>p. m.</i>				11:00-----	.99	.0004	.0113	12:00-----	.32	.0001	.0012	<i>p. m.</i>			
12:30-----	4.32	.0017	.0289	12:00-----	.99	.0004	.0117	<i>p. m.</i>				12:10-----	.40	.0002	.0014
2:30-----	4.16	.0016	.0321	Jan. 19				12:00-----	.32	.0001	.0024	:40-----	.43	.0002	.0015
3:00-----	4.32	.0017	.0330	<i>p. m.</i>								1:00-----	.45	.0002	.0016
:50-----	4.32	.0017	.0344	12:00-----	.99	.0004	.0096	Jan. 28				:20-----	.47	.0002	.0017
4:00-----	4.48	.0017	.0347	Jan. 20				<i>p. m.</i>				:40-----	.50	.0002	.0018
:20-----	4.16	.0016	.0352	<i>p. m.</i>				12:00-----	.32	.0001	.0024	2:00-----	.52	.0002	.0019
:50-----	3.86	.0015	.0360	2:30-----	.99	.0004	.0058	Jan. 29				:10-----	.55	.0002	
5:20-----	3.72	.0014	.0367	4:00-----	.95	.0004	.0064	<i>p. m.</i>				:15-----	.57	.0002	
6:00-----	3.58	.0014	.0376	6:20-----	.90	.0003	.0071	12:00-----	.32	.0001	.0024	:20-----	.60	.0002	
:30-----	3.31	.0013	.0383	11:00-----	.86	.0003	.0085	Jan. 30				:25-----	.67	.0003	
7:00-----	2.83	.0011	.0389	12:00-----	.81	.0003	.0088	<i>a. m.</i>				:30-----	.86	.0003	
:20-----	2.83	.0011	.0393	Jan. 21				12:00-----	.32	.0001	.0024	:35-----	.99	.0004	
8:00-----	2.61	.0010	.0400	<i>a. m.</i>								:40-----	1.33	.0005	
:20-----	2.50	.0010	.0403	6:00-----	.81	.0003	.0018	Jan. 29				:45-----	1.60	.0006	
:40-----	2.40	.0009	.0406	12:00-----	.86	.0003	.0036	<i>a. m.</i>				:50-----	2.01	.0008	.0020
9:00-----	2.40	.0009	.0409	<i>p. m.</i>				1:40-----	.32	.0001	.0002	:55-----	2.30	.0009	.0021
:20-----	2.30	.0009	.0412	7:00-----	.86	.0003	.0057	8:00-----	.34	.0001	.0008	3:00-----	2.50	.0010	.0022
:40-----	2.20	.0008	.0415	12:00-----	.81	.0003	.0072	<i>p. m.</i>				:20-----	2.83	.0011	.0025
:50-----	2.20	.0008	.0416	Jan. 22				12:00-----	.34	.0001	.0024	:40-----	3.31	.0013	.0029
10:20-----	2.01	.0008	.0420	<i>a. m.</i>				Jan. 31				4:00-----	4.16	.0016	.0034
11:00-----	1.85	.0007	.0425	6:00-----	.81	.0003	.0018	<i>a. m.</i>				:10-----	4.48	.0017	.0037
:20-----	1.76	.0007	.0427	12:00-----	.86	.0003	.0036	6:10-----	.34	.0001	.0006	:20-----	4.65	.0018	.0040
12:00-----	1.60	.0006	.0432	<i>p. m.</i>				8:00-----	.32	.0001	.0008	:40-----	5.18	.0020	.0046
Jan. 16				7:00-----	.86	.0003	.0057	<i>p. m.</i>				5:00-----	5.96	.0023	.0053
<i>a. m.</i>				12:00-----	.81	.0003	.0072	Jan. 31				:20-----	6.84	.0026	.0061
12:50-----	1.68	.0006	.0005	Jan. 22				<i>a. m.</i>				:30-----	7.54	.0029	.0066
1:20-----	1.76	.0007	.0009	<i>a. m.</i>				6:10-----	.34	.0001	.0006	:40-----	8.28	.0032	.0071
2:00-----	1.85	.0007	.0014	3:00-----	.77	.0003	.0009	8:00-----	.32	.0001	.0008	:50-----	8.80	.0034	.0077
3:00-----	2.01	.0008	.0021	5:00-----	.77	.0003	.0015	11:00-----	.32	.0001	.0011	6:00-----	9.06	.0035	.0083
4:00-----	2.10	.0008	.0029	10:00-----	.74	.0003	.0030	<i>p. m.</i>				:10-----	9.33	.0036	.0089
5:00-----	2.20	.0008	.0037	<i>p. m.</i>				1:40-----	.30	.0001	.0014	:30-----	9.60	.0037	.0101
6:00-----	2.30	.0009	.0046	1:20-----	.70	.0003	.0040	4:00-----	.29	.0001	.0016	:40-----	9.87	.0038	.0107
9:00-----	2.30	.0009	.0073	3:00-----	.67	.0003	.0045	7:30-----	.30	.0001	.0020	7:00-----	10.1	.0039	.0120
10:00-----	2.40	.0009	.0082	4:30-----	.63	.0002	.0048	12:00-----	.30	.0001	.0025	:30-----	9.87	.0038	.0139
:30-----	2.61	.0010	.0087	6:30-----	.60	.0002	.0052	Feb. 1				:50-----	9.60	.0037	.0151
11:00-----	2.83	.0011	.0092	12:00-----	.57	.0002	.0063	<i>a. m.</i>				8:20-----	9.87	.0038	.0170
:30-----	3.06	.0012	.0098	Jan. 23				4:00-----	.30	.0001	.0004	:40-----	9.87	.0038	.0183
12:00-----	3.31	.0013	.0104	<i>a. m.</i>				6:00-----	.29	.0001	.0006	9:20-----	9.60	.0037	.0208
<i>p. m.</i>				5:00-----	.57	.0002	.0010	<i>p. m.</i>				:40-----	9.06	.0035	.0220
12:40-----	3.44	.0013	.0113	11:00-----	.55	.0002	.0022	3:00-----	.29	.0001	.0015	:50-----	8.54	.0033	.0231
1:10-----	3.31	.0013	.0120	<i>p. m.</i>				5:20-----	.30	.0001	.0017	:20-----	8.28	.0032	.0242
2:00-----	3.06	.0012	.0130	2:30-----	.52	.0002	.0029	:40-----	.32	.0001	.0017	:40-----	7.78	.0030	.0252
:30-----	2.94	.0011	.0136	4:40-----	.50	.0002	.0033	12:00-----	.32	.0001	.0024	11:00-----	7.30	.0028	.0262
3:00-----	2.83	.0011	.0142	5:20-----	.50	.0002	.0034	<i>a. m.</i>				:20-----	6.84	.0026	.0271
:30-----	2.61	.0010	.0147	:40-----	.52	.0002	.0035	12:30-----				:40-----	6.61	.0026	.0280
4:10-----	2.40	.0009	.0153	6:20-----	.55	.0002	.0036	Feb. 2				12:00-----	6.39	.0025	.0288
5:00-----	2.20	.0008	.0160	9:00-----	.55	.0002	.0041	<i>a. m.</i>							
:50-----	2.10	.0008	.0167	12:00-----	.52	.0002	.0045	11:00-----	.32	.0001	.0011				
6:50-----	2.01	.0008	.0175												
8:20-----	1.93	.0007	.0186												
11:00-----	1.85	.0007	.0205												
12:00-----	1.85	.0007	.0212												



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 7	Second-foot	Inches per hour	Inches	Feb. 10	Second-foot	Inches per hour	Inches	Feb. 11	Second-foot	Inches per hour	Inches	Feb. 12	Second-foot	Inches per hour	Inches
a. m.				p. m.				a. m.				p. m.			
2:30-----	4.82	0.0019	0.0054	1:00-----	8.28	0.0032	0.0335	3:00-----	19.1	0.0074	0.0283	3:40-----	11.9	0.0046	0.0480
3:10-----	4.48	.0017	.0066	:20-----	8.80	.0034	.0346	:40-----	18.7	.0072	.0332	4:00-----	12.5	.0048	.0496
:50-----	4.16	.0016	.0077	:40-----	9.33	.0036	.0358	:50-----	17.9	.0069	.0344	:20-----	13.5	.0052	.0513
5:00-----	3.72	.0014	.0080	2:00-----	9.60	.0037	.0370	4:10-----	17.9	.0069	.0367	:40-----	13.8	.0053	.0530
:30-----	3.58	.0014	.0087	:20-----	9.87	.0038	.0383	:30-----	17.2	.0066	.0390	5:00-----	13.8	.0053	.0548
6:00-----	3.44	.0013	.0094	:30-----	10.4	.0040	.0390	:50-----	16.4	.0063	.0411	6:00-----	13.5	.0052	.0600
7:00-----	3.18	.0012	.0106	:50-----	10.4	.0040	.0403	5:10-----	16.4	.0063	.0432	:30-----	13.2	.0051	.0626
8:00-----	2.94	.0011	.0117	3:00-----	10.7	.0041	.0417	:30-----	16.0	.0062	.0453	7:00-----	12.9	.0050	.0651
:30-----	2.83	.0011	.0123	:10-----	11.0	.0042	.0424	:50-----	15.7	.0061	.0473	:30-----	12.5	.0048	.0676
9:00-----	2.72	.0010	.0128	:20-----	11.0	.0042	.0431	6:00-----	15.3	.0059	.0483	8:00-----	11.9	.0046	.0700
:45-----	2.61	.0010	.0136	:40-----	11.6	.0045	.0445	:30-----	14.9	.0058	.0512	:30-----	11.6	.0045	.0723
11:20-----	2.40	.0009	.0150	4:00-----	11.9	.0046	.0460	7:00-----	14.2	.0055	.0540	9:10-----	11.0	.0042	.0752
p. m.				:20-----	12.9	.0050	.0476	:20-----	13.8	.0053	.0558	10:00-----	10.4	.0040	.0786
12:20-----	2.30	.0009	.0159	:30-----	13.5	.0052	.0485	:40-----	13.5	.0052	.0576	11:00-----	9.87	.0038	.0825
2:00-----	2.30	.0009	.0174	:40-----	14.9	.0053	.0494	8:00-----	13.2	.0051	.0593	12:00-----	9.33	.0036	.0862
3:00-----	2.20	.0008	.0182	:50-----	15.7	.0061	.0504	:20-----	12.9	.0050	.0610				
4:40-----	2.10	.0008	.0195	5:00-----	17.9	.0069	.0515	:40-----	12.5	.0048	.0626	Feb. 13			
5:50-----	2.01	.0008	.0204	:10-----	20.4	.0079	.0521	9:00-----	12.2	.0047	.0642	a. m.			
7:00-----	1.93	.0007	.0212	:20-----	23.0	.0089	.0528	:20-----	11.9	.0046	.0658	12:40-----	9.06	.0035	.0023
8:00-----	1.85	.0007	.0219	:15-----	25.3	.0098	.0535	10:00-----	11.6	.0045	.0688	1:30-----	8.80	.0034	.0052
9:40-----	1.76	.0007	.0221	:18-----	26.7	.0103	.0540	11:00-----	11.3	.0044	.0733	2:20-----	8.54	.0033	.0079
11:00-----	1.68	.0006	.0239	:20-----	29.8	.0115	.0544	:40-----	11.0	.0042	.0762	3:00-----	8.28	.0032	.0101
12:00-----	1.60	.0006	.0245	:25-----	34.2	.0132	.0554	:58-----	11.0	.0042	.0775	4:00-----	8.03	.0031	.0132
Feb. 8				:30-----	36.5	.0141	.0565	12:00-----	10.1	.0039	.0776	5:00-----	7.78	.0030	.0163
a. m.				:35-----	39.5	.0152	.0577	p. m.				6:20-----	7.54	.0029	.0202
2:30-----	1.53	.0006	.0015	:40-----	44.0	.0169	.0590	12:05-----	11.0	.0042	.0779	7:40-----	7.30	.0028	.0241
4:30-----	1.46	.0006	.0027	:42-----	44.7	.0172	.0596	1:23-----	11.0	.0042	.0834	9:00-----	7.07	.0027	.0277
7:00-----	1.40	.0005	.0040	:48-----	41.4	.0160	.0613	:25-----	10.4	.0040	.0835	10:20-----	6.84	.0026	.0313
10:30-----	1.33	.0005	.0058	:50-----	42.7	.0164	.0618	:30-----	11.0	.0042	.0838	12:00-----	6.61	.0026	.0356
p. m.				:52-----	42.1	.0162	.0623	:40-----	11.6	.0045	.0845				
4:00-----	1.33	.0005	.0086	6:00-----	47.5	.0183	.0646	:46-----	11.3	.0044	.0849	3:30-----	6.39	.0025	.0447
8:00-----	1.40	.0005	.0106	:04-----	44.0	.0169	.0638	:50-----	14.2	.0055	.0852	6:20-----	6.17	.0024	.0518
12:00-----	1.40	.0005	.0126	:06-----	48.9	.0188	.0664	:55-----	17.2	.0066	.0857	9:00-----	5.96	.0023	.0582
Feb. 9				:10-----	54.0	.0208	.0677	2:00-----	16.4	.0063	.0862	:12-----	5.96	.0023	.0587
a. m.				:15-----	58.7	.0226	.0695	:10-----	14.9	.0058	.0872	10:00-----	5.56	.0021	.0605
12:30-----	1.40	.0005	.0003	:20-----	61.9	.0239	.0714	:20-----	15.3	.0059	.0882	11:00-----	5.37	.0021	.0626
4:30-----	1.33	.0005	.0023	:25-----	67.0	.0258	.0735	:30-----	16.4	.0063	.0892	:20-----	5.18	.0020	.0633
10:00-----	1.26	.0005	.0051	:28-----	73.3	.0283	.0749	:45-----	16.4	.0063	.0908	4:22-----	4.82	.0019	.0646
12:00-----	1.26	.0005	.0061	:30-----	72.4	.0279	.0758	:50-----	14.2	.0055	.0913				
p. m.				:35-----	71.4	.0275	.0781	:55-----	11.6	.0045	.0917	Feb. 14			
1:00-----	1.26	.0005	.0066	:40-----	73.3	.0283	.0804	3:00-----	11.3	.0044	.0921	a. m.			
2:00-----	1.33	.0005	.0071	:50-----	80.0	.0308	.0829	:20-----	11.6	.0045	.0936	12:20-----	4.48	.0017	.0006
3:00-----	1.40	.0005	.0076	:55-----	82.0	.0316	.0855	:40-----	11.9	.0046	.0951	:40-----	4.65	.0018	.0012
:40-----	1.46	.0006	.0080	7:00-----	82.0	.0316	.0881	4:00-----	12.2	.0047	.0966	:50-----	4.65	.0018	.0018
4:20-----	1.53	.0006	.0084	:01-----	94.6	.0365	.0887	:20-----	12.9	.0050	.0982	1:20-----	4.65	.0018	.0018
:50-----	1.60	.0006	.0087	:02-----	106	.0409	.0894	:40-----	13.2	.0051	.0999	2:00-----	4.82	.0019	.0030
5:10-----	1.68	.0006	.0089	:03-----	116	.0448	.0901	:50-----	13.5	.0052	.1016	:40-----	4.48	.0017	.0042
:30-----	1.76	.0007	.0091	:06-----	125	.0483	.0924	5:00-----	13.5	.0052	.1042	:50-----	4.82	.0019	.0045
6:00-----	1.93	.0007	.0095	:10-----	116	.0448	.0955	6:00-----	13.2	.0051	.1068	3:40-----	4.82	.0019	.0061
:20-----	2.01	.0008	.0097	:15-----	109	.0421	.0991	:40-----	12.9	.0050	.1101	4:10-----	4.65	.0018	.0071
:40-----	2.20	.0008	.0100	:20-----	104	.0401	.1025	7:00-----	12.5	.0048	.1117	:50-----	4.16	.0016	.0082
7:00-----	2.40	.0009	.0103	:22-----	103	.0398	.1038	:20-----	12.2	.0047	.1133	5:10-----	4.32	.0017	.0087
:20-----	2.50	.0010	.0106	:30-----	103	.0398	.1091	:40-----	11.9	.0046	.1148	6:40-----	4.48	.0017	.0113
:40-----	2.72	.0010	.0109	:40-----	101	.0390	.1157	8:00-----	11.6	.0045	.1163	9:00-----	4.48	.0017	.0153
8:00-----	2.94	.0011	.0112	8:00-----	97.9	.0378	.1285	:20-----	11.3	.0044	.1178	:20-----	4.65	.0018	.0159
:20-----	3.06	.0012	.0116	:05-----	100	.0386	.1317	:40-----	11.0	.0042	.1192	:35-----	5.00	.0019	.0164
:40-----	3.18	.0012	.0120	:20-----	93.5	.0361	.1411	9:00-----	10.7	.0041	.1206	:52-----	5.00	.0019	.0169
9:00-----	3.44	.0013	.0124	:30-----	88.0	.0339	.1469	:30-----	10.4	.0040	.1226	10:00-----	5.56	.0021	.0172
:20-----	3.72	.0014	.0128	:40-----	82.0	.0316	.1524	10:00-----	10.1	.0039	.1246	:20-----	5.18	.0020	.0179
:40-----	4.16	.0016	.0133	9:00-----	74.2	.0286	.1656	:30-----	9.87	.0038	.1266	:50-----	5.76	.0022	.0190
10:00-----	4.65	.0018	.0139	:08-----	70.5	.0272	.1693	11:00-----	9.60	.0037	.1285	11:30-----	5.96	.0023	.0205
:20-----	5.18	.0020	.0145	:16-----	64.4	.0248	.1727	:40-----	9.33	.0036	.1310	:38-----	6.17	.0024	.0208
:40-----	5.56	.0021	.0152	:20-----	68.7	.0265	.1744	12:00-----	9.06	.0035	.1322				
11:00-----	6.17	.0024	.0159	:30-----	64.4	.0248	.1787	Feb. 12				p. m.			
11:20-----	6.39	.0025	.0167	:40-----	60.3	.0232	.1827	a. m.				12:20-----	6.39	.0025	.0226
:40-----	6.84	.0026	.0176	:50-----	54.0	.0208	.1864	12:40-----	9.06	.0035	.0023	:30-----	6.17	.0024	.0230
12:00-----	7.54	.0029	.0185	10:00-----	52.5	.0202	.1898	1:00-----	8.80	.0034	.0034	:40-----	6.39	.0025	.0251
Feb. 10				:06-----	53.2	.0205	.1918	:50-----	8.54	.0033	.0061	2:00-----	6.17	.0024	.0287
a. m.				:14-----	52.5	.0202	.1945	2:30-----	8.28	.0032	.0082	:40-----	5.96	.0023	.0282
12:20-----	7.78	.0030	.0010	:18-----	54.8	.0211	.1959	3:30-----	8.03	.0031	.0114	3:00-----	5.76	.0022	.0290
:50-----	7.78	.0030	.0025	:20-----	53.2	.0205	.1966	4:20-----	7.78	.0030	.0140	:40-----	5.56	.0021	.0314
1:20-----	8.03	.0031	.0041	:25-----	48.2	.0186	.1982	5:30-----	7.54	.0029	.0174	:50-----	5.18	.0020	.0335
:30-----	7.78	.0030	.0046	:30-----	42.7	.0164	.2012	6:40-----	7.30	.0028	.0208	7:30-----	4.82	.0019	.0359
2:00-----	8.03	.0031	.0062	:35-----	44.7	.0172	.2026	7:00-----	7.07	.0027	.0217	8:20-----	4.48	.0017	.0396
:30-----	7.78	.0030	.0077	:45-----	46.8	.0180	.2041	:20-----	7.30	.0028	.0226	9:00-----	4.32	.0017	.0407
3:00-----	7.54	.0029	.0092	:58-----	45.4	.0175	.2050	:50-----	7.07	.0027	.0232	10:00-----	4.16	.0016	.0423
4:00-----	7.30	.0028	.0120	11:00-----	43.4	.0167	.2056	8:20-----	6.84	.0026	.0280	11:30-----	3.86	.0015	.0447
5:20-----	7.07	.0027	.0156	:20-----	40.1	.0155	.2110	10:20-----	6.61	.0026	.0306	12:00-----	3.72	.0014	.0454
6:30-----	6.84	.0026	.0161	:40-----	36.5	.0141	.2159	11:20-----	6.61	.0026	.0332				
10:40-----	6.84	.0026	.0269	12:00-----	34.2	.0132	.2205	12:00-----	6.84	.0026	.0349	Feb. 15			
11:30-----	7.07	.0027	.0291	Feb. 11				p. m.				a. m.			
12:00-----	7.30	.0028	.0305	a. m.				12:40-----	7.30	.0028	.0367	1:30-----	3.58	.0014	.0021



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Feb. 15				Feb. 18				Feb. 20				Feb. 23			
a. m.				a. m.				a. m.				p. m.			
9:50	3.44	0.0013	0.0121	1:40	2.83	0.0011	0.0018	7:20	16.0	0.0062	0.0526	2:00	5.00	0.0019	0.0284
10:00	3.72	.0014	.0123	4:10	2.83	.0011	.0046	8:00	15.7	.0061	.0567	3:00	5.18	.0020	.0301
:20	4.48	.0017	.0128	6:00	2.72	.0010	.0064	9:00	14.9	.0058	.0626	4:00	5.37	.0021	.0324
:40	5.18	.0020	.0134	7:00	2.83	.0011	.0075	:40	14.5	.0056	.0664	5:00	5.56	.0021	.0345
:50	5.56	.0021	.0137	8:30	2.94	.0011	.0092	10:50	14.2	.0055	.0729	:50	5.76	.0022	.0362
11:00	5.76	.0022	.0141	9:20	3.06	.0012	.0101	11:10	14.2	.0055	.0747	6:40	5.96	.0023	.0381
:20	5.96	.0023	.0149	10:10	3.18	.0012	.0111	12:00	14.5	.0056	.0794	8:00	5.96	.0023	.0412
:40	5.76	.0022	.0156	:50	3.31	.0013	.0120					9:10	5.76	.0022	.0438
p. m.				11:00	3.44	.0013	.0122	p. m.				11:00	5.56	.0021	.0478
12:10	5.56	.0021	.0167	:40	3.58	.0014	.0131	12:30	14.9	.0058	.0823	12:00	5.56	.0021	.0499
1:00	5.56	.0021	.0184					1:00	15.3	.0059	.0852				
:25	5.76	.0022	.0193	12:10	3.86	.0015	.0139	:20	15.7	.0061	.0872	Feb. 24			
:40	5.37	.0021	.0198	:20	4.01	.0015	.0142	:40	16.0	.0062	.0893	a. m.			
2:00	5.18	.0020	.0205	:40	4.32	.0017	.0147	2:00	16.4	.0063	.0914	2:20	5.37	.0021	.0049
:20	4.82	.0019	.0212	1:00	4.65	.0018	.0153	:30	16.8	.0065	.0946	7:00	5.37	.0021	.0147
:50	4.48	.0017	.0221	:20	5.18	.0020	.0159	:50	17.2	.0066	.0968	11:00	5.18	.0020	.0227
3:50	4.16	.0016	.0238	:40	5.56	.0021	.0166	3:10	17.5	.0068	.0990				
5:00	4.01	.0015	.0257	2:00	5.96	.0023	.0173	:40	17.9	.0069	.1025	p. m.			
6:00	3.86	.0015	.0272	:20	6.39	.0025	.0181	4:00	18.3	.0071	.1048	3:00	5.18	.0020	.0307
7:30	3.58	.0014	.0295	:40	6.61	.0026	.0189	:40	18.3	.0071	.1095	5:20	5.37	.0021	.0356
8:00	3.44	.0013	.0302	:50	6.84	.0026	.0193	5:20	17.9	.0069	.1142	10:00	5.18	.0020	.0449
:40	3.31	.0013	.0311	3:00	6.84	.0026	.0197	6:00	17.5	.0068	.1187	12:00	5.18	.0020	.0489
9:10	3.18	.0012	.0317	:20	6.61	.0026	.0206	:20	17.2	.0066	.1209				
10:20	2.94	.0011	.0331	:40	6.39	.0025	.0214	:40	16.8	.0065	.1231				
11:00	2.72	.0010	.0338	4:20	6.61	.0026	.0231	7:00	16.4	.0063	.1252	Feb. 25			
12:00	2.50	.0010	.0348	5:10	6.61	.0026	.0253	:30	16.0	.0062	.1286	a. m.			
				:50	6.84	.0026	.0270	8:00	15.7	.0061	.1319	1:00	5.00	.0019	.0020
Feb. 16				6:30	7.07	.0027	.0288	:30	15.3	.0059	.1351	2:00	4.82	.0019	.0039
a. m.				7:00	7.30	.0028	.0302	9:00	14.9	.0058	.1382	4:00	4.65	.0018	.0075
1:30	2.40	.0009	.0014	:30	7.54	.0029	.0317	:30	14.5	.0056	.1412	5:30	4.48	.0017	.0102
4:00	2.40	.0009	.0037	8:00	7.78	.0030	.0332	10:00	14.2	.0055	.1441	6:20	4.32	.0017	.0116
6:00	2.50	.0010	.0057	9:00	8.03	.0031	.0363	11:00	13.5	.0052	.1495	7:00	4.16	.0016	.0127
8:20	2.50	.0010	.0080	11:00	8.03	.0031	.0425	12:00	12.9	.0050	.1546	:30	4.01	.0015	.0135
9:00	2.61	.0010	.0087	12:00	8.28	.0032	.0457					8:00	3.86	.0015	.0143
:50	2.83	.0011	.0096					Feb. 21				:40	3.72	.0014	.0152
10:20	3.06	.0012	.0102	Feb. 19				a. m.				9:00	3.86	.0015	.0157
:40	3.31	.0013	.0106	a. m.				1:00	12.2	.0047	.0049	:20	3.86	.0015	.0162
11:00	3.58	.0014	.0111	1:30	8.28	.0032	.0048	:40	11.9	.0046	.0080	:40	4.01	.0015	.0167
:20	3.86	.0015	.0116	3:00	8.54	.0033	.0098	2:20	11.6	.0045	.0111	10:00	4.16	.0016	.0117
:30	4.01	.0015	.0119	6:00	8.80	.0034	.0197	3:00	11.3	.0044	.0140	:20	4.48	.0017	.0782
p. m.				7:00	9.06	.0035	.0232	:40	11.0	.0042	.0169	:35	4.65	.0018	.0182
12:30	4.01	.0015	.0134	8:20	9.33	.0036	.0279	4:30	10.7	.0041	.0203	:50	4.48	.0017	.0187
1:00	4.16	.0016	.0142	9:20	9.60	.0037	.0316	5:10	10.4	.0040	.0230	11:20	4.32	.0017	.0196
:20	4.01	.0015	.0147	10:10	9.87	.0038	.0347	:50	10.1	.0039	.0257				
:30	3.86	.0015	.0150	:20	9.87	.0038	.0353	6:40	9.87	.0038	.0289	p. m.			
:50	3.58	.0014	.0155	:40	10.1	.0039	.0366	7:40	9.60	.0037	.0326	12:30	4.16	.0016	.0215
2:00	3.44	.0013	.0157	11:00	10.4	.0040	.0379	8:30	9.33	.0036	.0357	4:00	4.16	.0016	.0271
:40	3.31	.0013	.0166	:20	10.7	.0041	.0392	9:30	9.06	.0035	.0392	5:00	4.32	.0017	.0302
3:00	3.31	.0013	.0170	:40	11.3	.0044	.0406					7:50	4.16	.0016	.0321
4:00	3.18	.0012	.0182	12:00	11.9	.0046	.0421	p. m.				4:16	4.01	.0015	.0334
6:00	3.06	.0012	.0206					12:40	9.06	.0035	.0433	:50	3.86	.0015	.0344
7:00	2.94	.0011	.0217	p. m.				2:00	9.33	.0035	.0481	8:30	3.72	.0014	.0351
8:20	2.83	.0011	.0232	12:20	12.5	.0048	.0437	3:00	9.60	.0037	.0517	9:00	3.58	.0014	.0356
9:00	2.72	.0010	.0239	:40	13.2	.0051	.0454	4:20	9.87	.0038	.0568	:20	3.44	.0013	.0358
10:00	2.61	.0010	.0249	:50	14.2	.0055	.0472	5:20	10.1	.0039	.0606	:30	3.06	.0012	.0360
:40	2.50	.0010	.0256	:20	15.3	.0059	.0491	7:00	9.87	.0038	.0631	:40	2.72	.0010	.0362
11:10	2.40	.0009	.0261	:40	16.4	.0063	.0511	8:00	9.60	.0037	.0668	10:00	2.50	.0010	.0364
12:00	2.30	.0009	.0268	2:00	17.9	.0069	.0533	9:00	9.33	.0036	.0705	:10	2.40	.0009	.0366
				:20	18.7	.0072	.0557	10:20	8.80	.0034	.0752	:20	2.20	.0008	.0367
Feb. 17				:40	20.0	.0077	.0582	11:00	8.54	.0033	.0775	:30	2.10	.0008	.0368
a. m.				3:00	21.3	.0082	.0609	:40	8.28	.0032	.0796	:40	2.01	.0008	.0369
12:40	2.20	.0008	.0005	:20	22.1	.0085	.0637	12:00	8.03	.0031	.0806	11:00	1.93	.0007	.0372
2:00	2.10	.0008	.0016	:40	23.5	.0091	.0666					12:00	2.01	.0008	.0379
3:30	2.01	.0008	.0028	4:00	24.9	.0096	.0697	Feb. 22							
5:00	2.10	.0008	.0040	:20	25.8	.0100	.0730	a. m.				Feb. 26			
7:10	2.10	.0008	.0057	:40	26.7	.0103	.0764	1:00	7.78	.0030	.0030	a. m.			
8:20	2.20	.0008	.0066	5:00	27.7	.0107	.0799	:40	7.54	.0029	.0049	12:30	2.10	.0008	.0004
9:20	2.30	.0009	.0075	:20	28.2	.0109	.0835	3:40	7.54	.0029	.0107	1:00	2.20	.0008	.0008
:40	2.40	.0009	.0078	:40	28.7	.0111	.0872	5:00	7.30	.0028	.0144	:30	2.30	.0009	.0013
10:00	2.61	.0010	.0081	6:00	28.7	.0111	.0909	6:40	7.07	.0027	.0191	2:00	2.40	.0009	.0018
:20	2.83	.0011	.0034	:30	28.2	.0109	.0964	8:20	6.84	.0026	.0234	3:30	2.50	.0010	.0032
:40	3.06	.0012	.0038	7:30	27.7	.0107	.1072	10:00	6.61	.0026	.0277	5:00	2.61	.0010	.0047
11:10	3.31	.0013	.0094	8:10	27.2	.0105	.1143					7:00	2.72	.0010	.0067
				:40	26.7	.0103	.1195	p. m.				8:20	2.83	.0011	.0082
12:20	3.31	.0013	.0109	9:30	25.8	.0100	.1280	12:20	6.39	.0025	.0335	9:30	3.18	.0012	.0095
:30	3.44	.0013	.0111	10:10	24.9	.0096	.1345	7:30	6.39	.0025	.0523	:50	3.58	.0014	.0099
:40	3.31	.0013	.0113	11:00	23.5	.0091	.1422	9:00	6.17	.0024	.0559	10:00	3.86	.0015	.0102
1:00	3.18	.0012	.0117	:20	23.0	.0089	.1452	11:00	5.96	.0023	.0605	:20	4.48	.0017	.0107
:10	3.06	.0012	.0119	12:00	22.1	.0085	.1510	12:00	5.76	.0022	.0628	:30	4.82	.0019	.0110
:30	2.94	.0011	.0123									:40	5.00	.0019	.0113
2:40	2.94	.0011	.0136	Feb. 20				Feb. 23				11:00	5.18	.0020	.0120
4:00	3.06	.0012	.0152	a. m.				a. m.				p. m.			
5:10	3.18	.0012	.0166	12:40	21.3	.0082	.0056	2:40	5.56	.0021	.0059	12:10	5.18	.0020	.0143
6:00	3.31	.0013	.0177	1:00	20.8	.0080	.0083	:40	5.37	.0021	.0101	:40	5.37	.0021	.0146
7:10	3.18	.0012	.0191	:25	20.4	.0079	.0116	4:40	5.18	.0020	.0148	:50	5.18	.0020	.0150
9:00	3.06	.0012	.0213	2:00											



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 26				Mar. 1				Mar. 3				Mar. 3			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
6:30	3.31	0 .013	0.0237	4:20	8.54	0.0033	0.0211	12:05	114	0.0440	0.0035	10:10	92.4	0.0356	0.8319
9:00	3.18	.0012	.0270	:40	9.06	.0035	.0222	:10	123	.0475	.0073	:20	99.0	.0382	.8381
10:40	3.06	.0012	.0290	5:00	9.33	.0036	.0234	:15	130	.0502	.0114	:25	105	.0405	.8480
12:00	3.06	.0012	.0306	:20	9.33	.0036	.0246	:20	138	.0533	.0157	:30	111	.0428	.8515
				:50	9.60	.0037	.0264	:25	148	.0571	.0203	:35	119	.0459	.8552
Feb. 27				6:10	9.87	.0038	.0277	:30	158	.0610	.0252	:40	127	.0490	.8591
<i>a. m.</i>				7:00	9.33	.0036	.0308	:40	170	.0656	.0358	:45	134	.0517	.8633
5:00	3.06	.0012	.0060	8:00	8.80	.0034	.0343	:50	180	.0695	.0471	:50	140	.0540	.8677
6:00	2.94	.0011	.0072	:20	8.54	.0033	.0355	1:00	194	.0749	.0592	11:00	148	.0571	.8770
:40	2.83	.0011	.0079	:40	8.28	.0032	.0365	:10	200	.0772	.0719	:10	150	.0579	.8866
7:00	2.72	.0010	.0082	9:00	8.03	.0031	.0377	:20	215	.0830	.0853	:20	146	.0564	.8961
:30	2.61	.0010	.0087	:20	7.78	.0030	.0387	:30	230	.0888	.0996	:40	134	.0517	.9141
8:00	2.50	.0010	.0092	:40	7.54	.0029	.0397	:40	244	.0942	.1149	12:00	123	.0475	.9306
:15	2.50	.0010	.0095	10:00	7.30	.0028	.0406	:50	255	.0984	.1310				
:50	2.40	.0009	.0101	11:00	6.84	.0026	.0433	2:00	268	.103	.1478				
9:40	2.40	.0009	.0108	12:00	6.39	.0025	.0458	:15	278	.107	.1741	Mar. 4			
10:00	2.30	.0009	.0111					:25	274	.106	.1918	<i>a. m.</i>			
:40	2.40	.0009	.0117	Mar. 2				:35	272	.105	.2095	12:10	116	.0448	.0077
11:00	2.50	.0010	.0120	<i>a. m.</i>				:40	261	.101	.2180	:20	110	.0425	.0150
:20	2.61	.0010	.0123	12:30	6.17	.0024	.0013	:50	244	.0942	.2343	:30	104	.0401	.0219
:30	2.61	.0010	.0125	1:20	5.96	.0023	.0032	:55	235	.0907	.2420	:40	100	.0386	.0285
:50	2.72	.0010	.0128	2:20	5.76	.0022	.0055	3:00	227	.0876	.2494	1:00	94.6	.0365	.0410
12:00	2.83	.0011	.0130	3:30	5.56	.0021	.0079	:05	213	.0822	.2564	:20	89.1	.0344	.0528
				4:40	5.37	.0021	.0103	:10	204	.0780	.2630	:40	86.0	.0332	.0641
<i>p. m.</i>				6:20	5.18	.0020	.0138	:15	194	.0749	.2693	2:00	84.0	.0324	.0750
12:30	3.06	.0012	.0136	7:30	5.00	.0019	.0160	:20	184	.0710	.2754	:20	81.0	.0312	.0856
1:00	3.31	.0013	.0143	8:00	5.00	.0019	.0170	:30	170	.0656	.2868	:40	78.0	.0301	.0958
:20	3.44	.0013	.0147	:40	5.00	.0019	.0183	:40	160	.0618	.2974	3:00	74.2	.0286	.1056
:40	3.58	.0014	.0151	9:10	5.18	.0020	.0193	:50	144	.0556	.3072	:20	71.4	.0275	.1150
2:10	3.58	.0014	.0158	:30	5.37	.0021	.0200	4:00	134	.0517	.3162	:40	67.8	.0261	.1239
:40	3.72	.0014	.0165	:40	5.56	.0021	.0204	:10	123	.0475	.3245	4:00	65.3	.0252	.1325
3:40	3.58	.0014	.0179	10:00	5.96	.0023	.0211	:20	112	.0432	.3321	:20	62.7	.0242	.1407
4:40	3.44	.0013	.0193	:20	6.39	.0025	.0219	:30	109	.0421	.3392	:40	60.3	.0232	.1486
5:40	3.31	.0013	.0206	:40	7.30	.0028	.0228	:40	103	.0398	.3460	5:00	57.9	.0223	.1562
7:40	3.18	.0012	.0230	:50	8.03	.0031	.0233	:50	97.9	.0378	.3525	:20	56.3	.0217	.1635
10:00	3.06	.0012	.0258	11:00	8.80	.0034	.0239	5:00	92.4	.0356	.3586	:40	54.8	.0211	.1706
12:00	3.06	.0012	.0282	:20	10.4	.0040	.0251	:10	88.0	.0339	.3644	6:00	53.2	.0205	.1775
				:40	12.2	.0047	.0265	:20	85.0	.0328	.3700	:20	51.7	.0199	.1842
Feb. 28				12:00	13.2	.0051	.0281	:40	78.0	.0301	.3805	:40	51.0	.0196	.1908
<i>a. m.</i>				<i>p. m.</i>				6:00	73.3	.0283	.3902	7:00	49.6	.0191	.1972
2:00	2.94	.0011	.0024	12:20	14.2	.0055	.0299	:20	68.7	.0265	.3993	:30	48.2	.0186	.2067
2:00	2.94	.0011	.0090	:40	14.9	.0058	.0318	:40	65.3	.0252	.4079	8:00	46.8	.0180	.2159
11:20	2.83	.0011	.0127	:40	15.3	.0059	.0337	7:00	62.7	.0242	.4161	:30	45.4	.0175	.2248
				:20	16.0	.0062	.0357	:20	60.3	.0232	.4240	9:00	44.0	.0169	.2334
<i>p. m.</i>				:40	16.4	.0063	.0378	:40	58.7	.0226	.4316	:20	42.7	.0164	.2389
1:20	2.83	.0011	.0149	:40	16.8	.0063	.0399	:50	57.9	.0223	.4354	:40	42.1	.0162	.2443
4:00	2.94	.0011	.0189	2:00	17.2	.0066	.0432	8:00	58.7	.0226	.4392	10:00	40.8	.0157	.2496
6:40	3.06	.0012	.0221	:30	17.9	.0069	.0466	:20	57.1	.0220	.4466	:20	40.1	.0155	.2548
9:00	2.94	.0011	.0247	3:00	18.7	.0072	.0502	:40	56.3	.0217	.4539	:40	39.5	.0152	.2599
11:00	3.06	.0012	.0271	:30	19.6	.0076	.0539	9:00	55.6	.0214	.4611	11:00	38.9	.0150	.2649
12:00	2.94	.0011	.0282	4:00	20.4	.0079	.0578	:20	54.8	.0211	.4682	:30	38.3	.0148	.2724
				:30	21.3	.0082	.0591	:40	54.0	.0208	.4752	12:00	37.1	.0143	.2797
Feb. 29				:40	21.7	.0084	.0605	10:00	53.2	.0205	.4821				
<i>a. m.</i>				:50	22.5	.0087	.0619	11:00	52.5	.0202	.5025	<i>p. m.</i>			
3:00	2.83	.0011	.0033	5:00	23.9	.0092	.0634	:50	51.7	.0199	.5192	12:30	36.5	.0141	.2868
7:00	2.72	.0010	.0077	:10	26.3	.0102	.0650	12:20	51.7	.0199	.5292	1:00	35.9	.0139	.2938
10:00	2.61	.0010	.0107	:20	29.3	.0113	.0668	:30	52.5	.0202	.5326	:40	34.8	.0134	.3029
12:00	2.61	.0010	.0127	:30	31.9	.0123	.0678	1:10	53.2	.0205	.5461	2:10	34.2	.0132	.3096
				:40	34.2	.0132	.0689	:50	52.5	.0202	.5597	3:00	33.0	.0127	.3204
<i>p. m.</i>				:50	40.1	.0155	.0713	2:30	51.7	.0199	.5730	4:00	31.9	.0123	.3329
1:00	2.72	.0010	.0137	:55	43.4	.0167	.0726	:50	52.5	.0202	.5797	5:00	30.9	.0119	.3450
:50	2.83	.0011	.0145	6:00	46.1	.0178	.0740	:50	51.7	.0199	.5870	6:00	29.8	.0115	.3567
2:20	2.94	.0011	.0151	:10	51.0	.0196	.0771	3:30	54.0	.0208	.5934	7:00	28.7	.0111	.3680
3:20	3.06	.0012	.0163	:20	55.6	.0214	.0805	4:00	55.6	.0214	.6040	:40	28.2	.0109	.3753
:40	3.18	.0012	.0167	:30	58.7	.0226	.0842	:50	56.3	.0217	.6112	8:20	27.7	.0107	.3825
4:10	3.31	.0013	.0173	:40	60.3	.0232	.0870	:20	56.3	.0217	.6211	9:20	26.7	.0103	.3930
5:00	3.44	.0013	.0184	:52	61.1	.0235	.0917	:40	57.1	.0220	.6329	10:00	26.3	.0102	.3999
6:00	3.58	.0014	.0198	7:00	61.1	.0235	.0948	:50	61.9	.0239	.6367	:40	25.8	.0100	.4066
7:20	3.58	.0014	.0217	:10	60.3	.0232	.0987	:20	68.7	.0265	.6409	12:00	24.9	.0096	.4197
9:00	3.44	.0013	.0239	:20	58.7	.0226	.1025	:45	78.0	.0301	.6436	Mar. 5			
11:00	3.31	.0013	.0265	:40	56.3	.0217	.1099	:50	83.0	.0320	.6482	<i>a. m.</i>			
12:00	3.31	.0013	.0278	8:00	54.0	.0208	.1170	:55	88.0	.0339	.6509	1:10	23.9	.0092	.0110
				:10	52.5	.0202	.1204	6:00	93.5	.0361	.6538	2:30	23.0	.0089	.0230
Mar. 1				:30	51.0	.0196	.1270	:05	100	.0386	.6569	4:00	22.1	.0085	.0361
<i>a. m.</i>				:50	48.2	.0186	.1334	:10	106	.0409	.6602	5:30	21.3	.0082	.0487
1:20	3.18	.0012	.0017	9:00	47.5	.0183	.1365	:15	112	.0432	.6637	7:10	20.4	.0079	.0620
4:00	3.06	.0012	.0049	:20	47.5	.0183	.1426	:20	116	.0447	.6712	9:00	19.6	.0076	.0763
7:00	2.94	.0011	.0082	:40	51.0	.0196	.1489	:30	121	.0467	.6792	11:00	18.7	.0072	.0911
				:50	57.1	.0220	.1558	:40	127	.0490	.6925				
<i>p. m.</i>				10:00	61.9	.0239	.1596	:55	128	.0494	.6915	<i>p. m.</i>			
1:10	2.94	.0011	.0150	:20	66.1	.0255	.1637	7:00	128	.0494	.6956	1:30	17.9	.0069	.1086
:20	3.06	.0012	.0152	:30	69.6	.0268	.1681	:08	131	.0506	.7023	3:00	17.5	.0068	.1188
2:00	3.44	.0013	.0160	:40	72.4	.0279	.1727	:10	131	.0506	.7124	4:40	17.2	.0066	.1300
:10	3.58	.0014	.0162	11:00	76.1	.0293	.1822	:20	127	.0490	.7290	6:00	16.8	.0065	.1387
:20	3.86	.0015	.0164	:15	76.1	.0293	.1895	:40	123	.0475	.7451	7:30	16.4	.0063	.1483
:40	4.48	.0017	.0169	:20	77.0	.0297	.1919	8:00	121	.0467	.7530	8:40	16.0	.0062	.1556
3:00	5.18	.0020	.0175	:30	79.0	.0305	.1969	:10	119	.0459	.7607	10:00	15.7	.0061	.1637
:20	5.95	.0023	.0182												



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off by days	Date and time	Instantaneous rate of run-off	Accumulated run-off by days	Date and time	Instantaneous rate of run-off	Accumulated run-off by days	Date and time	Instantaneous rate of run-off	Accumulated run-off by days
Mar. 6			Mar. 11			Mar. 14			Mar. 17		
<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>
5:20	13.5	0.0052	4:00	2.40	0.0009	1:30	3.31	0.0013	2:20	4.16	0.0016
6:40	13.2	.0051	5:00	2.40	.0009	6:00	3.31	.0013	:40	4.65	.0018
8:00	12.9	.0050	6:00	2.50	.0010	9:00	3.18	.0012	3:00	4.82	.0019
9:10	12.5	.0048	7:00	2.61	.0010	11:00	3.06	.0012	:20	5.37	.0021
11:40	12.2	.0047	:40	2.72	.0010	12:00	2.94	.0011	:40	5.76	.0022
<i>p. m.</i>			8:10	2.83	.0011				4:00	6.17	.0024
1:50	12.2	.0047	:56	3.06	.0012				:20	6.61	.0026
2:10	11.9	.0046	9:10	3.31	.0013	Mar. 15			:40	7.07	.0027
3:00	11.6	.0045	:20	3.44	.0013	<i>a. m.</i>			5:00	7.30	.0028
5:20	11.3	.0044	:40	4.01	.0015	1:00	2.94	.0011	:20	7.78	.0030
7:20	11.0	.0042	10:00	4.65	.0018	2:10	2.83	.0011	:40	8.28	.0032
8:50	10.7	.0041	:20	5.18	.0020	:40	2.61	.0010	6:00	8.80	.0034
10:30	10.4	.0040	:40	5.76	.0022	3:00	2.61	.0010	:30	9.06	.0035
12:00	10.1	.0039	11:00	5.76	.0022	4:00	2.83	.0011	7:00	9.06	.0035
			:20	5.56	.0021	:40	2.94	.0011	:50	8.80	.0034
			:40	5.37	.0021	7:00	2.94	.0011	8:20	8.54	.0033
			12:00	5.00	.0019	9:00	2.83	.0011	9:00	8.03	.0031
Mar. 7						11:40	2.83	.0011	:30	7.78	.0030
<i>a. m.</i>			<i>p. m.</i>						10:00	7.54	.0029
2:30	9.87	.0038	12:20	4.65	.0018	<i>p. m.</i>			:30	7.30	.0028
4:40	9.60	.0037	:40	4.48	.0017	12:30	3.06	.0012	11:00	7.07	.0027
6:40	9.33	.0036	1:00	4.32	.0017	1:30	3.31	.0013	12:00	6.84	.0026
8:20	9.06	.0035	2:00	4.16	.0016	4:40	3.31	.0013			
10:00	8.80	.0034	3:50	4.01	.0015	7:30	3.44	.0013			
			5:30	3.86	.0015	10:00	3.58	.0014	Mar. 18		
<i>p. m.</i>			7:00	3.72	.0014	11:40	3.72	.0014	<i>a. m.</i>		
6:40	8.80	.0034	8:20	3.58	.0014	12:00	3.72	.0014	12:30	6.61	.0026
8:30	8.54	.0033	9:10	3.44	.0013				1:30	6.39	.0025
10:40	8.28	.0032	10:00	3.31	.0013				2:40	6.17	.0024
12:00	8.03	.0031	:30	3.18	.0012	Mar. 16			3:50	5.96	.0023
			:40	3.18	.0012	<i>a. m.</i>			5:10	5.76	.0022
Mar. 8			11:00	2.72	.0010	1:00	3.72	.0014	6:50	5.56	.0021
<i>a. m.</i>			:20	2.30	.0009	:20	3.86	.0015	9:00	5.37	.0021
3:00	7.78	.0030	:40	2.01	.0008	:40	3.86	.0015	11:40	5.37	.0021
5:30	7.54	.0029	12:00	1.76	.0007	2:40	3.72	.0014			
8:00	7.30	.0028				3:20	3.72	.0014	<i>p. m.</i>		
10:20	7.07	.0027	Mar. 12			4:00	3.86	.0015	1:20	5.56	.0021
			<i>a. m.</i>			5:00	4.32	.0017	2:30	5.76	.0022
<i>p. m.</i>			12:20	1.60	.0006	:20	4.48	.0017	3:50	5.96	.0023
2:00	7.07	.0027	:30	1.53	.0006	:44	5.00	.0019	5:38	6.17	.0024
5:30	6.84	.0026	:50	1.46	.0006	6:20	4.82	.0019	6:00	6.39	.0025
8:30	6.61	.0026	1:30	1.46	.0006	:40	4.82	.0019	:20	6.84	.0026
11:30	6.39	.0025	2:10	1.53	.0006	7:50	4.65	.0018	:30	7.54	.0029
12:00	6.39	.0025	3:00	1.76	.0007	8:10	4.48	.0017	:40	8.80	.0034
			4:00	2.01	.0008	:30	4.01	.0015	:50	9.87	.0038
Mar. 9			:20	2.10	.0008	9:00	3.72	.0014	:55	11.3	.0044
<i>a. m.</i>			5:00	2.20	.0008	:20	3.31	.0013	7:00	12.9	.0050
3:00	6.17	.0024	7:20	2.30	.0009	:40	3.18	.0012	:05	14.9	.0058
7:40	5.96	.0023	8:20	2.40	.0009	10:00	3.31	.0013	:10	17.5	.0068
10:00	5.76	.0022	:50	2.50	.0010	:15	3.44	.0013	:15	20.4	.0079
			9:00	2.61	.0010	:20	3.58	.0014	:20	23.0	.0089
<i>p. m.</i>			:20	2.83	.0011	11:00	3.86	.0015	:25	25.8	.0100
3:00	5.76	.0022	:40	3.31	.0013	:40	3.58	.0014	:30	27.7	.0107
7:30	5.56	.0021	10:00	3.58	.0014				:35	30.3	.0117
10:00	5.37	.0021	:20	4.16	.0016	<i>p. m.</i>			:40	33.0	.0127
12:00	5.18	.0020	:30	4.48	.0017	12:40	3.31	.0013	:50	37.1	.0143
			:40	4.65	.0018	2:10	3.06	.0012	8:00	41.4	.0160
Mar. 10			11:00	4.82	.0019	3:40	2.83	.0011	:10	44.7	.0169
<i>a. m.</i>			:20	5.00	.0019	4:30	2.72	.0010	:20	46.1	.0178
2:00	5.00	.0019	:40	5.00	.0019	5:30	2.61	.0010	:30	45.4	.0175
4:00	4.82	.0019	12:00	4.82	.0019	6:20	2.50	.0010	:40	43.4	.0167
6:40	4.65	.0018				7:20	2.40	.0009	9:00	39.5	.0152
7:10	4.48	.0017	<i>p. m.</i>			8:00	2.40	.0009	:20	36.5	.0141
8:00	4.32	.0017	12:40	4.48	.0017	9:20	2.61	.0010	:40	33.6	.0130
9:20	4.48	.0017	1:00	4.16	.0016	10:20	2.72	.0010	:50	30.9	.0119
:50	4.65	.0018	:30	3.86	.0015	11:20	2.83	.0011	:20	28.7	.0111
10:10	4.48	.0017	2:10	3.72	.0014	12:00	2.94	.0011	:40	26.7	.0103
12:00	4.32	.0017	4:30	3.58	.0014				11:00	25.3	.0098
			6:00	3.44	.0013	Mar. 17			:20	24.4	.0094
<i>p. m.</i>			7:30	3.31	.0013	<i>a. m.</i>			:40	23.0	.0089
1:10	4.48	.0017	8:40	3.18	.0012	1:00	3.06	.0012	12:00	21.7	.0084
2:30	4.65	.0018	10:00	3.06	.0012	3:00	3.18	.0012			
4:00	4.82	.0019	12:00	3.06	.0012	:50	3.31	.0013	Mar. 19		
5:30	4.82	.0019				4:20	3.58	.0014	<i>a. m.</i>		
7:20	4.65	.0018	Mar. 13			:40	3.72	.0014	12:30	20.8	.0080
9:00	4.48	.0017	<i>p. m.</i>			5:20	3.86	.0015	1:00	19.6	.0076
10:30	4.32	.0017	12:30	3.06	.0012	6:00	4.01	.0015	:30	18.7	.0072
11:30	4.16	.0016	1:20	3.18	.0012	:50	4.16	.0016	2:00	17.9	.0069
12:00	4.01	.0015	2:20	3.31	.0013	7:50	4.16	.0016	:30	17.2	.0066
Mar. 11			3:40	3.44	.0013	8:20	4.01	.0015	3:00	16.8	.0065
<i>a. m.</i>			5:00	3.58	.0014	:20	3.58	.0014	4:00	15.7	.0061
1:00	3.86	.0015	12:00	3.58	.0014	:40	3.31	.0013	5:00	14.9	.0058
:20	3.72	.0014				10:10	3.06	.0012	6:00	13.8	.0053
:40	3.44	.0013	Mar. 14			:30	2.83	.0011	7:00	13.2	.0051
2:00	3.31	.0013	<i>a. m.</i>			11:30	2.83	.0011	8:00	12.5	.0048
:20	2.94	.0011	3:00	3.44	.0013	12:00	2.94	.0011	9:00	12.2	.0047
:40	2.83	.0011	:40	3.44	.0013				10:00	11.6	.0045
3:10	2.61	.0010	5:00	3.58	.0014	<i>p. m.</i>			11:00	11.3	.0044
:30	2.50	.0010	11:00	3.44	.0013	12:30	3.06	.0012	<i>p. m.</i>		
						1:00	3.31	.0013	12:20	11.0	.0042
						:40	3.58	.0014	1:20	10.7	.0041
						2:00	3.88	.0015	2:30	10.4	.0040



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Mar. 19				Mar. 23				Mar. 26				Mar. 30			
<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>			
3:40	10.1	0.0039	0.0828	12:20	4.82	0.0019	0.0163	1:00	1.26	0.0005	0.0005	7:40	3.86	0.0015	0.0088
4:50	9.87	.0038	.0873	:40	4.65	.0018	.0169	:40	1.26	.0005	.0008	8:00	4.32	.0017	.0093
6:00	9.60	.0037	.0916	1:00	4.32	.0017	.0175	2:00	1.33	.0005	.0010	:20	4.65	.0018	.0099
7:40	9.33	.0036	.0978	:30	4.16	.0016	.0183	:20	1.40	.0005	.0012	:40	5.00	.0019	.0105
9:00	9.06	.0035	.1025	2:00	4.01	.0015	.0191	:40	1.46	.0006	.0014	9:00	5.37	.0021	.0112
10:30	8.80	.0034	.1076	3:30	3.86	.0015	.0214	3:00	1.53	.0006	.0016	:20	5.96	.0023	.0119
12:00	8.54	.0033	.1126	5:20	3.72	.0014	.0240	:20	1.60	.0006	.0018	:40	6.39	.0025	.0127
Mar. 20				6:50	3.58	.0014	.0261	4:00	1.68	.0006	.0022	10:00	6.61	.0026	.0136
<i>a. m.</i>				8:00	3.44	.0013	.0276	:40	1.76	.0007	.0027	:20	7.07	.0027	.0145
3:00	8.28	.0032	.0096	:20	3.31	.0013	.0280	7:10	1.76	.0007	.0045	:40	7.54	.0029	.0154
5:00	8.28	.0032	.0160	:35	3.18	.0012	.0283	8:00	1.85	.0007	.0051	11:00	8.03	.0031	.0164
8:00	8.03	.0031	.0256	:40	3.06	.0012	.0284	:20	1.93	.0007	.0053	:20	8.28	.0032	.0174
10:20	7.78	.0030	.0328	9:30	2.94	.0011	.0293	:40	2.10	.0008	.0056	:40	8.54	.0033	.0185
11:30	7.54	.0029	.0362	:50	2.83	.0011	.0297	9:00	2.40	.0009	.0059				
<i>p. m.</i>				10:20	2.61	.0010	.0303	:20	2.72	.0010	.0062	12:30	8.80	.0034	.0213
12:30	7.30	.0028	.0391	:40	2.50	.0010	.0306	:30	2.94	.0011	.0064	1:00	9.06	.0035	.0231
1:40	7.07	.0027	.0422	11:00	2.30	.0009	.0309	:40	3.06	.0012	.0066	:20	9.33	.0036	.0243
3:20	6.84	.0026	.0467	:40	2.20	.0008	.0315	10:00	3.18	.0012	.0070	:40	10.1	.0039	.0256
6:20	6.61	.0026	.0545	12:00	2.10	.0008	.0318	:20	3.31	.0013	.0074	2:00	11.0	.0042	.0269
9:00	6.39	.0025	.0612	Mar. 24				:40	3.44	.0013	.0078	:40	11.9	.0046	.0276
11:00	6.17	.0024	.0660	<i>a. m.</i>				11:00	3.31	.0013	.0082	:10	12.9	.0050	.0284
12:00	5.96	.0023	.0683	12:40	2.01	.0008	.0005	:15	3.06	.0012	.0085	:20	14.2	.0055	.0293
Mar. 21				2:00	1.93	.0007	.0014	:40	2.83	.0011	.0090	:30	15.7	.0061	.0303
<i>a. m.</i>				:30	1.93	.0007	.0018	12:00	2.72	.0010	.0094	:50	17.2	.0066	.0314
1:00	5.96	.0023	.0023	4:30	2.01	.0008	.0025	<i>p. m.</i>				3:00	19.1	.0074	.0326
3:00	5.76	.0022	.0067	6:00	2.10	.0008	.0046	12:30	2.61	.0010	.0099	:10	21.3	.0082	.0339
4:30	5.56	.0021	.0100	4:30	2.01	.0008	.0034	1:00	2.72	.0010	.0104	:20	23.5	.0091	.0354
5:20	5.37	.0021	.0117	7:00	2.20	.0008	.0054	:30	2.83	.0011	.0110	:30	25.8	.0100	.0370
6:20	5.56	.0021	.0138	8:00	2.50	.0010	.0064	2:20	2.94	.0011	.0119	:40	28.2	.0109	.0388
7:00	5.56	.0021	.0152	:20	2.72	.0010	.0067	4:00	2.94	.0011	.0137	:50	30.9	.0119	.0407
9:30	5.37	.0021	.0205	:30	2.83	.0011	.0069	5:20	2.83	.0011	.0152	4:00	33.6	.0130	.0428
12:00	5.56	.0021	.0258	:45	3.06	.0012	.0072	6:00	2.72	.0010	.0159	:10	36.5	.0141	.0451
Mar. 22				9:00	3.31	.0013	.0075	7:20	2.61	.0010	.0172	:20	39.5	.0152	.0476
<i>p. m.</i>				:20	3.44	.0013	.0079	8:40	2.50	.0010	.0185	:30	42.1	.0162	.0502
2:00	5.76	.0022	.0300	:40	3.72	.0014	.0084	10:40	2.40	.0009	.0194	:40	44.7	.0172	.0530
4:20	5.76	.0022	.0351	10:00	4.01	.0015	.0089	12:00	2.40	.0009	.0206	:50	46.8	.0180	.0559
8:00	5.56	.0021	.0424	:20	4.48	.0017	.0094	Mar. 27				5:00	48.2	.0186	.0590
10:20	5.56	.0021	.0473	:30	4.65	.0018	.0097	<i>a. m.</i>				:10	48.9	.0188	.0621
12:00	5.76	.0022	.0508	11:20	4.65	.0018	.0112	3:30	2.30	.0009	.0032	:20	49.6	.0191	.0653
Mar. 23				:40	4.48	.0017	.0118	10:00	2.30	.0009	.0091	:40	48.9	.0188	.0716
<i>a. m.</i>				12:00	4.16	.0016	.0124	<i>p. m.</i>				6:00	47.5	.0183	.0778
1:00	5.76	.0022	.0021	Mar. 25				12:00	2.40	.0009	.0121	:20	44.7	.0172	.0837
2:50	5.56	.0021	.0059	<i>p. m.</i>				1:20	2.40	.0009	.0121	:40	41.4	.0160	.0892
4:10	5.37	.0021	.0087	12:20	3.86	.0015	.0129	3:00	2.50	.0010	.0136	7:00	38.9	.0150	.0944
5:40	5.18	.0020	.0117	:50	3.58	.0014	.0137	4:40	2.61	.0010	.0153	:20	35.9	.0139	.0992
6:50	5.00	.0019	.0139	1:10	3.44	.0013	.0141	5:40	2.72	.0010	.0163	:40	33.6	.0130	.1037
7:30	4.82	.0019	.0152	:40	3.31	.0013	.0148	6:40	2.83	.0011	.0174	8:00	31.9	.0123	.1079
8:00	4.65	.0018	.0162	4:30	3.31	.0013	.0159	8:00	2.94	.0011	.0189	:20	30.3	.0117	.1119
:20	4.48	.0017	.0168	5:20	3.18	.0012	.0170	9:00	3.06	.0012	.0200	:40	28.7	.0111	.1157
9:10	4.82	.0019	.0183	6:50	3.06	.0012	.0188	10:00	3.18	.0012	.0212	9:00	27.2	.0105	.1193
:40	4.65	.0018	.0192	8:00	2.94	.0011	.0201	:20	3.18	.0012	.0226	:20	26.3	.0102	.1228
12:00	4.65	.0018	.0198	:20	2.72	.0010	.0215	12:00	3.18	.0012	.0236	:40	25.3	.0098	.1261
<i>p. m.</i>				:50	2.61	.0010	.0220	Mar. 28				10:00	24.4	.0094	.1293
2:20	4.82	.0019	.0242	10:20	2.50	.0010	.0225	<i>a. m.</i>				:20	23.5	.0091	.1324
3:50	4.82	.0019	.0271	11:00	2.40	.0009	.0232	1:20	3.06	.0012	.0016	:40	22.5	.0087	.1354
6:00	4.65	.0018	.0316	:40	2.20	.0008	.0237	3:00	3.06	.0012	.0036	11:00	22.1	.0085	.1383
8:00	4.48	.0017	.0350	12:00	2.10	.0008	.0240	7:00	2.94	.0011	.0084	:20	21.3	.0082	.1411
9:10	4.32	.0017	.0370	Mar. 26				10:20	2.83	.0011	.0121	:40	20.8	.0080	.1438
:50	4.16	.0016	.0381	<i>a. m.</i>				<i>p. m.</i>				12:00	20.0	.0077	.1464
10:50	4.01	.0015	.0396	12:40	2.01	.0008	.0005	1:00	2.94	.0011	.0150	Mar. 31			
11:20	3.58	.0014	.0403	7:30	2.01	.0008	.0060	4:00	3.06	.0012	.0186	<i>a. m.</i>			
12:00	3.18	.0012	.0412	8:10	2.10	.0008	.0065	5:00	2.94	.0011	.0197	12:20	19.6	.0076	.0026
Mar. 24				:30	2.20	.0008	.0068	7:00	2.83	.0011	.0219	:40	19.1	.0074	.0051
<i>a. m.</i>				:40	2.30	.0009	.0070	9:00	2.83	.0011	.0241	1:00	18.7	.0072	.0075
12:10	3.06	.0012	.0002	9:00	2.50	.0010	.0073	12:00	2.94	.0011	.0274	:50	17.5	.0068	.0133
:40	2.83	.0011	.0008	:20	2.83	.0011	.0077	Mar. 29				2:40	16.8	.0065	.0188
1:00	2.61	.0010	.0012	:40	3.06	.0012	.0081	<i>a. m.</i>				3:40	16.0	.0062	.0252
:30	2.40	.0009	.0017	10:00	3.31	.0013	.0085	4:00	3.06	.0012	.0048	:40	15.3	.0059	.0312
2:00	2.30	.0009	.0022	:20	3.44	.0013	.0089	7:00	3.06	.0012	.0084	5:40	14.5	.0056	.0369
3:20	2.30	.0009	.0034	:50	3.44	.0013	.0096	10:00	3.18	.0012	.0120	6:50	13.8	.0053	.0433
4:20	2.40	.0009	.0043	11:20	3.31	.0013	.0103	11:30	3.06	.0012	.0138	8:10	13.2	.0051	.0502
5:00	2.61	.0010	.0050	:50	3.06	.0012	.0109	<i>p. m.</i>				10:20	12.9	.0050	.0610
6:00	2.83	.0011	.0060	12:00	2.94	.0011	.0111	1:30	11.9	.0046	.0061	11:40	12.5	.0048	.0675
7:00	2.94	.0011	.0071	Mar. 27				3:20	11.3	.0044	.0083				
:40	3.06	.0012	.0079	<i>p. m.</i>				5:00	10.7	.0041	.00915				
8:00	3.18	.0012	.0083	12:40	2.94	.0011	.0115	:50	10.4	.0040	.00948				
:40	3.58	.0014	.0092	:40	2.72	.0010	.0118	6:40	9.87	.0038	.01020				
9:00	3.86	.0015	.0097	3:00	2.83	.0011	.0122	7:40	9.60	.0037	.01082				
:20	4.32	.0017	.0102	:40	2.83	.0011	.0129	9:20	9.33	.0036	.01125				
:40	4.65	.0018	.0108	5:20	2.72	.0010	.0136	10:30	9.06	.0035	.01178				
10:20	5.37	.0021	.0121	7:00	2.61	.0010	.0143	12:00	8.80	.0034	.01213				
:40	5.56	.0021	.0128	8:40	2.50	.0010	.0160	Mar. 30				Apr. 1			
11:25	5.56	.0021	.0144	9:30	2.40	.0009	.0167	<i>a. m.</i>				<i>a. m.</i>			
:40	5.37	.0021	.0149	:40	2.30	.0009	.0169	4:20	2.94	.0011	.0048	1:00	8.80	.0034	.0035



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
Apr. 1				Apr. 6				Apr. 10				Apr. 12			
<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>			
2:00	7.30	0.0028	0.0433	2:30	5.00	0.0019	0.0050	1:30	5.96	0.0023	0.0035	6:00	58.3	0.0148	0.1377
3:40	7.07	.0027	.0478	6:00	4.82	.0019	.0117	5:00	5.76	.0022	.0116	:40	35.9	.0139	.1473
6:00	6.84	.0026	.0541	9:00	4.65	.0018	.0174	8:40	5.56	.0021	.0193	7:00	35.3	.0136	.1519
9:30	6.61	.0026	.0632	11:40	4.82	.0019	.0222	11:40	5.56	.0021	.0256	8:00	32.4	.0125	.1649
12:00	6.39	.0025	.0695									:20	31.9	.0125	.1691
Apr. 2				<i>p. m.</i>				<i>p. m.</i>				:50	30.9	.0119	.1752
<i>a. m.</i>				12:40	4.82	.0019	.0241	3:00	5.37	.0021	.0326	9:30	29.8	.0115	.1830
1:20	6.39	.0025	.0033	2:00	4.65	.0018	.0266	8:00	5.18	.0020	.0426	10:00	29.3	.0113	.1887
5:40	6.17	.0024	.0141	4:00	4.48	.0017	.0300	12:00	5.18	.0020	.0506	11:00	27.7	.0107	.1997
9:00	5.96	.0023	.0218	7:00	4.32	.0017	.0351					:40	27.2	.0105	.2068
11:30	5.76	.0022	.0274	12:00	4.32	.0017	.0436	Apr. 11							
<i>p. m.</i>				Apr. 7				<i>a. m.</i>				12:30	26.7	.0103	.2155
12:40	5.96	.0023	.0301	<i>a. m.</i>				3:00	5.18	.0020	.0060	1:40	26.3	.0102	.2274
3:00	5.96	.0023	.0355	3:00	4.32	.0017	.0051	8:00	5.00	.0019	.0155	3:00	26.3	.0102	.2410
6:00	5.76	.0022	.0424	8:00	4.16	.0016	.0136	10:20	4.82	.0019	.0199	4:40	25.8	.0100	.2578
9:30	5.56	.0021	.0498	9:50	4.16	.0016	.0165					5:30	25.3	.0098	.2660
12:00	5.56	.0021	.0551	11:40	4.01	.0015	.0192	<i>p. m.</i>				6:10	24.9	.0096	.2725
Apr. 3								12:40	4.82	.0019	.0243	:40	24.4	.0094	.2773
<i>a. m.</i>				<i>p. m.</i>				1:00	4.82	.0019	.0249	7:20	23.9	.0092	.2835
5:00	5.37	.0021	.0105	12:10	4.01	.0015	.0200	:40	5.00	.0019	.0262	8:10	23.0	.0089	.2910
7:00	5.37	.0021	.0147	1:00	4.01	.0015	.0212	2:00	5.18	.0020	.0268	9:10	22.1	.0085	.2997
11:40	5.18	.0020	.0240	2:00	4.16	.0016	.0227	:20	5.37	.0021	.0275	10:20	21.3	.0082	.3094
<i>p. m.</i>				3:30	4.32	.0017	.0253	:40	5.56	.0021	.0282	11:00	20.8	.0080	.3121
12:20	5.18	.0020	.0253	5:00	4.48	.0017	.0279	3:00	5.76	.0022	.0289	:40	20.4	.0079	.3174
:40	5.18	.0020	.0260	:40	4.65	.0018	.0290	:20	6.17	.0024	.0297	12:00	20.4	.0079	.3200
2:10	5.37	.0021	.0292	6:00	4.82	.0019	.0296	:28	6.39	.0025	.0300				
:20	5.56	.0021	.0296	:20	5.00	.0019	.0302	:40	6.84	.0026	.0305	Apr. 13			
:40	5.96	.0023	.0303	:40	5.18	.0020	.0309	:50	7.30	.0028	.0310	<i>a. m.</i>			
:50	6.39	.0025	.0307	7:00	5.56	.0021	.0316	4:00	7.78	.0030	.0315	1:10	19.6	.0076	.0090
3:00	7.07	.0027	.0311	:20	5.76	.0022	.0323	:10	8.80	.0034	.0320	2:50	18.7	.0072	.0213
:20	8.28	.0032	.0321	8:00	5.96	.0023	.0330	:20	9.60	.0037	.0326	3:40	17.9	.0069	.0343
:30	9.33	.0036	.0327	:40	6.39	.0025	.0338	:30	10.4	.0040	.0332	4:40	17.5	.0068	.0434
:40	10.1	.0039	.0333	9:00	6.61	.0026	.0351	:40	11.6	.0045	.0339	6:00	17.2	.0066	.0535
:50	11.0	.0042	.0340	:20	6.84	.0026	.0364	:50	13.2	.0051	.0347	7:30	16.8	.0065	.0611
4:00	12.2	.0047	.0347	10:00	7.07	.0027	.0396	5:00	14.5	.0056	.0356	8:40	16.4	.0063	.0718
:20	13.8	.0053	.0364	:50	7.07	.0027	.0412	:10	16.4	.0063	.0366	10:20	16.4	.0063	.0781
:35	14.9	.0058	.0378	11:30	6.84	.0026	.0436	:20	17.5	.0068	.0377	11:20	16.4	.0063	.0781
5:00	15.7	.0061	.0403	12:00	6.84	.0026	.0443	:30	19.1	.0074	.0389				
:10	16.0	.0062	.0413	Apr. 8				:40	20.4	.0079	.0402	<i>p. m.</i>			
:20	16.0	.0062	.0423	<i>a. m.</i>				6:00	23.0	.0089	.0430	1:00	16.8	.0065	.0888
:30	15.7	.0061	.0433	1:30	6.84	.0026	.0039	:20	25.3	.0098	.0461	2:20	17.2	.0066	.0976
:50	14.9	.0058	.0453	3:00	6.61	.0026	.0078	:40	27.2	.0125	.0498	3:40	17.9	.0069	.1065
6:00	14.5	.0056	.0463	:40	6.39	.0025	.0095	:10	30.9	.0119	.0557	4:50	18.7	.0072	.1148
:10	13.8	.0053	.0472	4:10	6.61	.0026	.0108	:20	32.4	.0125	.0577	5:30	18.7	.0072	.1196
:25	13.5	.0052	.0485	:30	6.84	.0026	.0117	:30	34.8	.0134	.0599	6:10	18.3	.0071	.1244
:50	13.2	.0051	.0498	5:00	7.30	.0028	.0131	:40	37.1	.0143	.0622	:50	17.9	.0069	.1291
7:00	13.2	.0051	.0507	:20	7.54	.0029	.0141	:50	40.8	.0157	.0647	8:00	17.2	.0066	.1302
:10	12.9	.0050	.0515	:40	8.28	.0032	.0151	8:00	44.7	.0172	.0674	9:30	16.4	.0063	.1400
:20	13.2	.0051	.0524	6:00	8.80	.0034	.0162	:10	49.6	.0191	.0704	11:00	15.7	.0061	.1490
:40	13.5	.0052	.0541	:30	9.60	.0037	.0180	:20	54.8	.0211	.0738	12:00	15.3	.0059	.1550
8:00	13.8	.0053	.0559	7:00	9.87	.0038	.0199	:30	60.3	.0232	.0775				
:20	14.5	.0056	.0577	:25	10.4	.0040	.0215	:40	66.1	.0255	.0815	Apr. 14			
:40	14.9	.0058	.0596	:50	11.0	.0042	.0232	:50	72.4	.0279	.0860	<i>a. m.</i>			
9:10	15.7	.0061	.0626	8:20	11.3	.0044	.0254	9:00	79.0	.0305	.0909	12:40	14.9	.0058	.0039
:30	15.7	.0061	.0646	9:30	11.3	.0044	.0305	:10	86.0	.0332	.0962	2:20	14.2	.0055	.0134
10:00	14.9	.0058	.0676	10:50	11.0	.0042	.0362	:20	92.4	.0356	.1019	4:40	13.5	.0052	.0258
:20	14.5	.0056	.0695	11:50	10.7	.0041	.0404	:30	99.0	.0382	.1081	6:50	12.9	.0050	.0368
11:00	13.5	.0052	.0731					:40	106	.0409	.1147	8:00	12.5	.0048	.0425
12:00	12.5	.0048	.0781	<i>p. m.</i>				:50	114	.0440	.1218	9:40	12.2	.0047	.0503
Apr. 4				12:20	10.7	.0041	.0425	10:00	120	.0463	.1293	10:40	12.2	.0047	.0550
<i>a. m.</i>				1:30	11.0	.0042	.0473	:10	128	.0494	.1373				
1:00	11.9	.0046	.0047	3:10	11.0	.0042	.0543	:20	134	.0517	.1458	<i>p. m.</i>			
2:00	11.3	.0044	.0092	4:10	10.7	.0041	.0584	:30	138	.0533	.1546	1:00	12.5	.0048	.0662
3:00	10.7	.0041	.0134	5:10	10.4	.0040	.0625	:40	144	.0556	.1637	4:00	12.5	.0048	.0806
4:00	10.4	.0040	.0175	:50	10.1	.0039	.0651	:50	150	.0579	.1732	6:20	12.2	.0047	.0916
5:40	9.87	.0038	.0240	6:40	9.87	.0038	.0683	11:00	151	.0583	.1829	8:00	11.9	.0046	.0994
8:00	9.33	.0036	.0326	7:30	9.60	.0037	.0715	:20	140	.0540	.2016	10:00	11.6	.0045	.1084
10:20	8.80	.0034	.0408	8:30	9.33	.0036	.0751	:30	132	.0510	.2104	12:00	11.3	.0044	.1174
<i>p. m.</i>				9:20	9.06	.0035	.0781	:40	127	.0490	.2188				
12:50	8.28	.0032	.0491	10:40	8.80	.0034	.0826	:50	120	.0463	.2267	Apr. 15			
2:40	7.78	.0030	.0548	11:40	8.54	.0033	.0860	12:00	115	.0444	.2343	<i>a. m.</i>			
4:40	7.30	.0028	.0606	12:00	8.54	.0033	.0871					2:40	11.0	.0042	.0115
7:00	7.07	.0027	.0671	Apr. 9				<i>a. m.</i>				5:40	10.7	.0041	.0238
10:00	6.84	.0026	.0749	<i>a. m.</i>				12:10	106	.0409	.0071	8:20	10.4	.0040	.0347
12:00	6.61	.0026	.0801	1:00	8.28	.0032	.0033	:20	100	.0386	.0137	11:00	10.1	.0039	.0451
Apr. 5				3:00	8.03	.0031	.0095	:30	94.6	.0365	.0200	<i>p. m.</i>			
<i>a. m.</i>				5:10	7.78	.0030	.0160	:40	88.0	.0339	.0259	3:00	9.87	.0038	.0744
4:00	6.39	.0025	.0104	7:10	7.54	.0029	.0218	:50	83.0	.0320	.0314	6:30	9.60	.0037	.0800
7:00	6.17	.0024	.0176	9:00	7.30	.0028	.0275	1:00	80.0	.0308	.0366	8:00	9.60	.0037	.0825
9:30	5.96	.0023	.0236	11:00	7.07	.0027	.0321	:20	73.3	.0283	.0464	:40	9.87	.0038	.0856
11:40	5.76	.0022	.0284					:40	67.8	.0261	.0555	9:30	10.1	.0039	.0876
<i>p. m.</i>				<i>p. m.</i>				:50	63.6	.0245	.0639	10:00	10.4	.0040	.0902
2:00	5.56	.0021	.0335	12:40	6.84	.0026	.0368	2:00	59.5	.0229	.0718	:40	11.0	.0042	.0943
4:00	5.37	.0021	.0377	1:20	6.84	.0026	.0385	:40	56.3	.0217	.0792	11:40	11.3	.0044	.0957
6:00	5.18	.0020	.0417	:40	7.07	.0027	.0394								



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Apr. 16				Apr. 19				Apr. 20				Apr. 24			
a. m.				p. m.				p. m.				p. m.			
8:00	10.1	0.0039	0.0340	8:50	43.4	0.0167	0.0897	12:20	67.0	0.0258	0.5818	1:30	8.03	0.0031	0.0465
9:40	9.87	.0038	.0405	9:00	48.2	.0186	.0918	5:00	65.3	.0252	.5945	3:20	7.78	.0030	.0522
12:00	9.60	.0037	.0491	:10	53.2	.0205	.0951	1:00	64.4	.0248	.5987	4:00	7.78	.0030	.0542
p. m.				:20	59.5	.0229	.0987	:40	61.9	.0239	.6148	6:00	7.54	.0029	.0602
2:20	9.33	.0036	.0577	:30	66.1	.0255	.1027	:56	61.9	.0239	.6212	12:00	7.54	.0029	.0776
4:40	9.06	.0035	.0659	:35	69.6	.0268	.1045	2:30	60.3	.0232	.6346				
7:20	8.80	.0034	.0776	:40	74.2	.0286	.1068	3:00	58.7	.0226	.6461	Apr. 25			
10:00	8.54	.0033	.0864	:45	78.0	.0301	.1092	:20	57.1	.0220	.6535	a. m.			
12:00	8.28	.0032	.0930	:50	82.0	.0316	.1118	:57	55.6	.0214	.6669	2:00	7.30	.0028	.0056
				:55	86.0	.0332	.1145	4:00	54.8	.0211	.6800	5:20	7.30	.0028	.0149
Apr. 17				10:00	91.3	.0352	.1173	5:00	51.7	.0199	.6885	7:50	7.07	.0027	.0219
a. m.				:10	100	.0386	.1235	6:00	48.9	.0188	.7084	10:30	6.84	.0026	.0288
1:40	8.28	.0032	.0053	:20	109	.0421	.1302	7:00	45.4	.0175	.7265				
5:00	8.03	.0031	.0156	:30	119	.0459	.1375	:50	44.0	.0169	.7408	p. m.			
9:00	7.78	.0030	.0280	:40	130	.0502	.1455	8:04	43.4	.0167	.7447	12:30	6.61	.0026	.0340
p. m.				:50	140	.0540	.1542	9:20	43.4	.0167	.7659	3:00	6.39	.0025	.0418
1:00	7.54	.0029	.0396	11:00	151	.0583	.1636	10:00	42.7	.0164	.7769	6:00	6.17	.0024	.0490
2:00	7.54	.0029	.0425	:10	165	.0637	.1738	:30	41.4	.0160	.7850	8:00	6.17	.0024	.0538
:30	7.78	.0030	.0440	:20	178	.0687	.1849	11:00	40.1	.0155	.7929	11:20	5.96	.0023	.0615
3:00	8.03	.0031	.0456	:30	188	.0726	.1967	12:00	38.3	.0148	.8080	12:00	5.96	.0023	.0630
:50	8.80	.0034	.0483	:40	204	.0787	.2093								
4:40	9.06	.0035	.0511	:45	220	.0849	.2161	Apr. 21				Apr. 26			
8:00	9.06	.0035	.0628	:50	241	.0930	.2235	a. m.				a. m.			
9:10	9.33	.0036	.0670	:52	264	.102	.2267	1:00	36.5	.0141	.0144	3:00	5.96	.0023	.0069
10:20	9.60	.0037	.0712	:54	287	.111	.2302	:50	35.3	.0136	.0260	7:00	5.76	.0022	.0161
12:00	9.60	.0037	.0774	:55	321	.124	.2322	3:00	33.6	.0130	.0415	9:00	5.76	.0022	.0205
				:56	354	.137	.2342	4:00	32.4	.0125	.0543	11:40	5.56	.0021	.0261
Apr. 18				:58	378	.146	.2389	6:00	31.4	.0121	.0666	p. m.			
a. m.				:59	434	.168	.2416	7:00	30.3	.0117	.0785	2:00	5.37	.0021	.0310
12:40	9.60	.0037	.0025	12:00	462	.178	.2445	8:00	29.3	.0113	.0900	4:40	5.18	.0020	.0366
1:50	9.33	.0036	.0068					9:00	28.2	.0109	.1011	7:00	5.18	.0020	.0415
2:20	9.33	.0036	.0086	Apr. 20				10:00	26.7	.0103	.1119	11:00	5.00	.0019	.0472
3:00	9.60	.0037	.0110	a. m.				11:00	25.8	.0100	.1326	12:00	5.00	.0019	.0491
:40	9.87	.0038	.0135	12:04	482	.186	.0122	12:00	25.3	.0098	.1425				
4:30	10.1	.0039	.0167	:10	482	.186	.0308	p. m.				Apr. 27			
6:00	10.4	.0040	.0227	:20	467	.180	.0614	1:00	24.4	.0094	.1521	a. m.			
8:00	10.1	.0039	.0305	:25	477	.184	.0765	:40	23.9	.0092	.1583	3:00	5.00	.0019	.0057
9:40	9.87	.0038	.0370	:35	462	.178	.1068	3:00	23.0	.0089	.1703	7:30	4.82	.0019	.0124
11:00	9.60	.0037	.0419	:40	424	.164	.1210	4:20	22.1	.0085	.1819	10:20	4.65	.0018	.0175
p. m.				:50	382	.148	.1471	6:00	21.3	.0082	.1959	11:50	4.48	.0017	.0202
12:40	9.33	.0036	.0481	:55	362	.140	.1591	8:00	20.4	.0079	.2121				
1:50	9.06	.0035	.0522	1:00	332	.128	.1702	10:10	19.6	.0076	.2288	p. m.			
3:20	8.80	.0034	.0573	:05	300	.116	.1803	12:00	18.7	.0072	.2424	12:30	4.48	.0017	.0213
5:00	8.54	.0033	.0630	:10	281	.109	.1896					2:00	4.32	.0017	.0239
7:00	8.28	.0032	.0694	:15	261	.101	.1983					3:30	4.16	.0016	.0263
9:00	8.03	.0031	.0758	:20	241	.0930	.2064					6:00	4.01	.0015	.0303
11:20	7.78	.0030	.0828	:25	220	.0849	.2138	Apr. 22				12:00	4.01	.0015	.0393
12:00	7.78	.0030	.0848	:30	204	.0787	.2206	a. m.							
Apr. 19				:35	192	.0741	.2269	12:50	18.7	.0072	.0060	Apr. 28			
a. m.				:40	178	.0687	.2328	2:00	18.3	.0071	.0144	a. m.			
2:00	7.78	.0030	.0060	:45	165	.0637	.2383	3:10	17.9	.0069	.0226	6:00	4.01	.0015	.0090
4:20	7.54	.0029	.0130	:50	156	.0602	.2434	5:40	17.2	.0066	.0394	11:00	3.86	.0015	.0165
5:40	7.54	.0029	.0169	:55	150	.0579	.2483	7:00	16.8	.0065	.0481	p. m.			
7:20	7.78	.0030	.0219	2:00	141	.0544	.2530	8:40	16.4	.0063	.0582	1:00	3.72	.0014	.0193
9:00	7.78	.0030	.0269	:10	132	.0510	.2618	10:30	16.0	.0062	.0708	2:40	3.58	.0014	.0216
10:20	7.54	.0029	.0308	:20	123	.0475	.2700	11:40	15.7	.0061	.0774	5:00	3.44	.0013	.0246
11:30	7.54	.0029	.0342	:30	115	.0444	.2777					9:00	3.44	.0013	.0298
p. m.				:40	109	.0421	.2847					12:00	3.44	.0013	.0337
12:10	7.78	.0030	.0361	3:00	99.0	.0382	.2981								
:30	8.03	.0031	.0371	:10	93.5	.0361	.3043	p. m.				Apr. 29			
:50	8.28	.0032	.0381	:20	90.2	.0348	.3102	1:20	14.9	.0058	.0872	a. m.			
1:00	8.54	.0033	.0386	:30	84.0	.0324	.3214	3:00	14.2	.0055	.0967	1:00	3.58	.0014	.0013
:20	9.06	.0035	.0397	:40	78.0	.0301	.3318	4:00	13.8	.0053	.1021	7:00	3.58	.0014	.0097
:40	9.33	.0036	.0409	:50	73.3	.0283	.3415	5:10	13.5	.0052	.1082	10:00	3.44	.0013	.0139
2:00	10.1	.0039	.0422	:55	69.6	.0268	.3507	7:00	13.2	.0051	.1177	p. m.			
:20	10.7	.0041	.0436	1:00	66.1	.0255	.3594	10:40	12.9	.0050	.1364	1:00	3.31	.0013	.0174
:40	11.3	.0044	.0450	:20	63.6	.0245	.3677	12:00	12.9	.0050	.1431	2:40	3.18	.0012	.0194
3:00	11.9	.0046	.0465	:30	62.7	.0242	.3758	Apr. 23				4:00	3.06	.0012	.0214
:30	12.9	.0050	.0489	:40	61.9	.0239	.3798	a. m.				8:00	2.94	.0011	.0262
4:00	13.5	.0052	.0515	6:20	62.7	.0242	.3918	12:40	12.5	.0048	.0033	10:20	2.83	.0011	.0288
:20	14.2	.0055	.0533	:40	66.1	.0255	.4001	3:00	12.2	.0047	.0143	12:00	2.94	.0011	.0306
:50	14.9	.0058	.0542	:50	72.4	.0279	.4090	5:00	11.9	.0046	.0237				
5:00	15.3	.0059	.0552	:10	77.0	.0297	.4138	7:00	11.6	.0045	.0327	Apr. 30			
:30	15.7	.0061	.0582	:20	82.0	.0316	.4189	10:00	11.3	.0044	.0462	a. m.			
6:00	16.4	.0063	.0613	:30	88.0	.0339	.4244	11:40	11.0	.0042	.0534	4:00	2.94	.0011	.0044
:10	16.8	.0065	.0624	:40	94.6	.0365	.4303					8:00	3.06	.0012	.0092
:20	16.8	.0065	.0635	:50	99.0	.0382	.4365					9:30	3.06	.0012	.0110
:40	19.1	.0074	.0658	8:00	104	.0401	.4430	p. m.				10:40	3.18	.0012	.0124
7:00	21.3	.0082	.0684	:10	106	.0409	.4498	1:00	10.7	.0041	.0589	11:20	3.31	.0013	.0132
:20	23.5	.0091	.0713	:24	107	.0413	.4594	2:30	10.4	.0040	.0651	12:00	3.44	.0013	.0141
:40	26.3	.0102	.0745	:32	105	.0405	.4648	4:00	10.1	.0039	.0710				
8:00	29.8	.0115	.0781	:40	105	.0405	.4702	8:40	9.87	.0038	.0892	p. m.			
:10	31.9	.0123	.0801	9:00	97.9	.0378	.4833	12:00	9.60	.0037	.1015	1:00	3.58	.0014	.0154
:20	34.2	.0132	.0822	:20	91.3	.0352	.4955	Apr. 24				2:20	3.58	.0014	.0173
:30	36.5	.0141	.0845	:30	84.0	.0324	.5068	a. m.							
:40	39.5	.0152	.0870	10:00	80.0	.0308	.5173	3:20	9.33	.0036	.0123				
				:20	76.1	.0293	.5273	6:00	9.06	.0035	.0216				
				:40	74.2	.0286	.5369	8:00	8.80	.0034	.0286				



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Apr. 30				May 6				May 10				May 15			
p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches
3:10-----	3.44	0.0013	0.0189	7:40-----	3.58	0.0014	0.0137	6:20-----	1.26	0.0005	0.0106	5:50-----	1.85	0.0007	0.0090
4:30-----	3.31	.0013	.0206	:45-----	3.44	.0013	.0133	8:00-----	1.26	.0005	.0114	7:00-----	1.83	.0007	.0098
5:40-----	3.18	.0012	.0220	:50-----	3.58	.0014	.0139	9:20-----	1.33	.0005	.0121	:40-----	1.76	.0007	.0103
8:00-----	3.06	.0012	.0248	:55-----	4.65	.0018	.0140	11:20-----	1.40	.0005	.0131	8:30-----	1.68	.0006	.0108
11:00-----	2.94	.0011	.0284	8:00-----	5.76	.0022	.0142	12:00-----	1.40	.0005	.0134	9:00-----	1.60	.0006	.0111
12:00-----	2.94	.0011	.0295	:05-----	7.07	.0027	.0144					10:00-----	1.53	.0006	.0117
May 1				:10-----	8.80	.0034	.0146	May 11				11:00-----	1.46	.0006	.0123
a. m.				:15-----	10.1	.0039	.0149	2:00-----	1.40	.0005	.0010	12:00-----	1.40	.0005	.0128
9:30-----	2.94	.0011	.0105	:20-----	11.6	.0045	.0152	a. m.				May 16			
10:30-----	3.06	.0012	.0116	:25-----	11.9	.0046	.0156	5:00-----	1.46	.0006	.0025	a. m.			
:40-----	3.06	.0012	.0118	:30-----	11.9	.0046	.0160	9:00-----	1.46	.0006	.0049	1:40-----	1.33	.0005	.0008
11:00-----	3.18	.0012	.0122	:40-----	11.0	.0042	.0167	11:20-----	1.40	.0005	.0063	4:40-----	1.26	.0005	.0023
12:00-----	3.18	.0012	.0134	9:00-----	9.33	.0036	.0180	12:00-----	1.40	.0005	.0066	9:00-----	1.21	.0005	.0045
p. m.				:10-----	8.80	.0034	.0186								
1:20-----	3.06	.0012	.0150	:30-----	8.03	.0031	.0197	p. m.				p. m.			
2:40-----	2.94	.0011	.0166	:40-----	7.54	.0029	.0202	12:20-----	1.33	.0005	.0068	3:30-----	1.21	.0005	.0078
4:40-----	2.83	.0011	.0188	10:00-----	6.84	.0026	.0211	1:05-----	1.33	.0005	.0072	6:40-----	1.26	.0005	.0094
9:40-----	2.83	.0011	.0243	:20-----	6.39	.0025	.0219	2:00-----	1.26	.0005	.0077	8:00-----	1.33	.0005	.0101
12:00-----	2.94	.0011	.0250	:50-----	5.96	.0023	.0231	4:00-----	1.21	.0005	.0087	10:40-----	1.40	.0005	.0114
May 2				11:00-----	5.76	.0022	.0235	5:40-----	1.15	.0004	.0095	12:00-----	1.40	.0005	.0121
a. m.				:20-----	5.56	.0021	.0242	9:20-----	1.15	.0004	.0110				
1:40-----	2.94	.0011	.0018	:40-----	5.37	.0021	.0249	11:20-----	1.21	.0005	.0118	May 17			
5:00-----	2.83	.0011	.0055	12:00-----	5.18	.0020	.0256	12:00-----	1.21	.0005	.0121	a. m.			
7:40-----	2.83	.0011	.0084									1:20-----	1.33	.0005	.0007
10:00-----	2.72	.0010	.0107	May 7				May 12				5:20-----	1.26	.0005	.0027
p. m.				a. m.				a. m.				9:20-----	1.21	.0005	.0047
1:00-----	2.72	.0010	.0137	12:30-----	4.82	.0019	.0010	4:00-----	1.26	.0005	.0020				
4:40-----	2.61	.0010	.0174	1:00-----	4.48	.0017	.0019	8:00-----	1.33	.0005	.0040	p. m.			
10:00-----	2.61	.0010	.0227	:20-----	4.32	.0017	.0025	12:00-----	1.33	.0005	.0060	12:20-----	1.15	.0004	.0062
12:00-----	2.72	.0010	.0247	:40-----	4.16	.0016	.0030					1:30-----	1.15	.0004	.0067
May 3				2:00-----	4.01	.0015	.0035	p. m.				3:50-----	1.10	.0004	.0076
a. m.				:30-----	3.86	.0015	.0043	2:00-----	1.26	.0005	.0070	12:00-----	1.10	.0004	.0109
1:30-----	2.83	.0011	.0017	3:00-----	3.72	.0014	.0050	3:50-----	1.15	.0004	.0077				
6:40-----	2.83	.0011	.0074	:30-----	3.58	.0014	.0057	4:20-----	1.15	.0004	.0083	May 18			
9:00-----	2.72	.0010	.0097	4:00-----	3.44	.0013	.0064	5:20-----	1.10	.0004	.0087	a. m.			
p. m.				:50-----	3.31	.0013	.0075	6:40-----	1.10	.0004	.0092	8:00-----	1.10	.0004	.0032
12:30-----	2.61	.0010	.0132	5:20-----	3.18	.0012	.0082	9:20-----	1.15	.0004	.0103	11:40-----	1.04	.0004	.0047
5:00-----	2.50	.0010	.0177	6:20-----	3.06	.0012	.0094	11:20-----	1.21	.0005	.0113				
12:00-----	2.50	.0010	.0247	7:30-----	2.94	.0011	.0107	12:00-----	1.21	.0005	.0116	p. m.			
May 4				8:40-----	2.83	.0011	.0120					12:40-----	1.04	.0004	.0051
a. m.				10:00-----	2.72	.0010	.0135	May 13				2:20-----	.99	.0004	.0058
4:00-----	2.40	.0009	.0036	11:20-----	2.61	.0010	.0148	a. m.				4:00-----	.95	.0004	.0065
6:40-----	2.40	.0009	.0060					4:00-----	1.26	.0005	.0020	6:00-----	.90	.0003	.0071
10:00-----	2.30	.0009	.0090	May 8				8:00-----	1.26	.0005	.0055	10:00-----	.90	.0003	.0083
p. m.				a. m.				12:00-----	1.15	.0004	.0105	12:00-----	.95	.0004	.0091
1:30-----	2.20	.0008	.0118	7:30-----	2.10	.0008	.0060					May 19			
3:30-----	2.10	.0008	.0134	11:00-----	2.01	.0008	.0083	12:30-----	1.21	.0005	.0063	a. m.			
6:00-----	2.01	.0008	.0154					2:00-----	1.15	.0004	.0069	2:20-----	.95	.0004	.0009
12:00-----	2.01	.0008	.0202	p. m.				3:20-----	1.10	.0004	.0074	6:00-----	.99	.0004	.0024
May 5				1:20-----	1.93	.0007	.0104	5:00-----	1.04	.0004	.0081	10:00-----	.99	.0004	.0040
a. m.				3:00-----	1.85	.0007	.0116	8:30-----	1.04	.0004	.0091	12:00-----	.95	.0004	.0048
11:20-----	2.01	.0008	.0091	4:40-----	1.76	.0007	.0128	10:00-----	1.10	.0004	.0097				
p. m.				7:20-----	1.68	.0006	.0144	12:00-----	1.15	.0004	.0101	p. m.			
1:00-----	1.93	.0007	.0104	8:40-----	1.68	.0006	.0152					12:40-----	.95	.0004	.0051
3:00-----	1.85	.0007	.0118	10:20-----	1.76	.0007	.0164	4:00-----	1.15	.0004	.0016	2:00-----	.90	.0003	.0055
4:30-----	1.76	.0007	.0129	11:40-----	1.85	.0007	.0173	7:00-----	1.21	.0005	.0031	:35-----	.90	.0003	.0057
6:20-----	1.68	.0006	.0140	12:00-----	1.85	.0007	.0175	10:00-----	1.21	.0005	.0046	:52-----	.90	.0003	.0058
8:20-----	1.68	.0006	.0152					12:00-----	1.15	.0004	.0054	3:00-----	.99	.0004	.0059
11:00-----	1.76	.0007	.0171	May 9								:30-----	.99	.0004	.0061
12:00-----	1.76	.0007	.0178	a. m.				p. m.				:50-----	1.04	.0004	.0062
May 6				8:40-----	1.85	.0007	.0061	2:00-----	1.04	.0004	.0063	4:30-----	1.10	.0004	.0065
a. m.				10:40-----	1.76	.0007	.0075	4:00-----	.95	.0004	.0072	:40-----	1.21	.0005	.0066
3:00-----	1.85	.0007	.0021					12:00-----	.95	.0004	.0101	5:00-----	1.26	.0005	.0068
p. m.				p. m.								:30-----	1.33	.0005	.0071
12:30-----	1.85	.0007	.0058	12:30-----	1.68	.0006	.0086	May 14				:20-----	1.46	.0006	.0076
1:50-----	1.76	.0007	.0097	1:50-----	1.60	.0006	.0094	a. m.				7:00-----	1.53	.0006	.0080
3:10-----	1.68	.0006	.0106	4:00-----	1.53	.0006	.0107	4:00-----	.95	.0004	.0003	:25-----	1.53	.0006	.0083
5:00-----	1.60	.0006	.0117	6:00-----	1.46	.0006	.0119	6:00-----	1.04	.0004	.0012	8:00-----	1.46	.0006	.0086
6:33-----	1.60	.0006	.0126	8:00-----	1.46	.0006	.0131	11:10-----	1.10	.0004	.0045	:40-----	1.40	.0005	.0089
:38-----	1.60	.0006	.0126	10:40-----	1.53	.0006	.0147	:20-----	1.10	.0004	.0046	9:20-----	1.33	.0005	.0092
:42-----	2.30	.0009	.0127	12:00-----	1.53	.0006	.0155	12:00-----	1.15	.0004	.0049	10:00-----	1.33	.0005	.0095
:50-----	2.30	.0009	.0127									11:00-----	1.40	.0005	.0100
:58-----	2.83	.0011	.0128	May 10				p. m.				12:00-----	1.33	.0005	.0105
7:00-----	2.94	.0011	.0130	a. m.				12:20-----	1.21	.0005	.0051				
:10-----	3.06	.0012	.0130	1:00-----	1.53	.0006	.0006	:30-----	1.26	.0005	.0052	May 20			
:20-----	3.58	.0014	.0132	4:00-----	1.60	.0006	.0024	:50-----	1.33	.0005	.0054	a. m.			
:30-----	3.86	.0015	.0134	10:20-----	1.60	.0006	.0062	1:10-----	1.40	.0005	.0056	1:00-----	1.26	.0005	.0005
								:20-----	1.46	.0006	.0057	3:00-----	1.21	.0005	.0015
								:40-----	1.60	.0006	.0059	4:40-----	1.21	.0005	.0023
								2:00-----	1.76	.0007	.0061	5:30-----	1.15	.0004	.0026
								:20-----	1.85	.0007	.0063	6:40-----	1.10	.0004	.0031
								:40-----	1.93	.0007	.0065	8:40-----	1.10	.0004	.0039
								3:00-----	2.01	.0008	.0068	11:00-----	1.04	.0004	.0048
								:30-----	2.10	.0008	.0072				
								4:15-----	2.10	.0008	.0078	p. m.			
								5:00-----	2.01	.0008	.0084	12:40-----	.99	.0004	.0055
								:20-----	1.93	.0007	.0086	2:00-----	.95	.0004	.0060



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
May 20	Second-foot	Inches per hour	Inches	May 24	Second-foot	Inches per hour	Inches	May 27	Second-foot	Inches per hour	Inches	May 30	Second-foot	Inches per hour	Inches
p. m.				a. m.				p. m.				p. m.			
4:40-----	0.86	0.0003	0.0068	10:10-----	17.5	0.0068	0.0194	7:00-----	2.01	0.0008	0.0173	12:30-----	9.33	0.0036	0.0362
6:00-----	.81	.0003	.0072	:20-----	18.7	.0072	.0206	12:00-----	2.01	.0008	.0213	1:10-----	9.06	.0035	.0385
12:00-----	.81	.0003	.0090	:40-----	20.8	.0080	.0231					2:00-----	8.80	.0034	.0414
May 21				11:00-----	23.0	.0089	.0259	May 28				:40-----	8.54	.0033	.0436
a. m.				:40-----	23.0	.0089	.0318	a. m.				3:20-----	8.54	.0033	.0458
1:50-----	.86	.0003	.0005					11:00-----	2.01	.0008	.0088	4:00-----	8.80	.0034	.0481
3:00-----	.86	.0003	.0008	12:10-----	23.9	.0092	.0364					:20-----	9.33	.0036	.0493
5:00-----	.90	.0003	.0014	:56-----	24.4	.0094	.0435	p. m.				:40-----	9.87	.0038	.0505
10:10-----	.90	.0003	.0031	1:00-----	24.9	.0096	.0441	2:00-----	1.93	.0007	.0109	5:00-----	10.7	.0041	.0518
p. m.				:20-----	25.3	.0098	.0538	3:40-----	1.85	.0007	.0121	:20-----	11.9	.0046	.0532
12:30-----	.86	.0003	.0038	:40-----	25.3	.0098	.0564	12:00-----	1.76	.0007	.0179	:40-----	13.2	.0051	.0548
1:40-----	.81	.0003	.0041	4:30-----	25.8	.0100	.0686					6:00-----	15.3	.0059	.0566
3:00-----	.77	.0003	.0045	:45-----	24.9	.0096	.0711	May 29				:20-----	16.8	.0065	.0586
5:10-----	.70	.0003	.0051	5:00-----	23.9	.0092	.0735	a. m.				:40-----	18.7	.0072	.0609
7:00-----	.67	.0003	.0056	:20-----	22.5	.0087	.0765	9:00-----	1.76	.0007	.0063	7:00-----	20.8	.0080	.0634
12:00-----	.67	.0003	.0071	:40-----	21.3	.0082	.0793	11:40-----	1.68	.0006	.0082	:20-----	22.5	.0087	.0662
May 22				6:00-----	20.0	.0077	.0819					:40-----	24.4	.0094	.0692
a. m.				:20-----	18.7	.0072	.0844	p. m.				8:00-----	25.8	.0100	.0724
1:20-----	.74	.0003	.0041	:40-----	17.9	.0069	.0864	1:20-----	1.60	.0006	.0092	:30-----	26.7	.0103	.0755
2:00-----	.70	.0003	.0006	7:00-----	16.8	.0065	.0886	2:40-----	1.53	.0006	.0100	9:00-----	27.2	.0105	.0829
4:30-----	.74	.0003	.0014	:20-----	16.0	.0062	.0907	4:20-----	1.46	.0006	.0110	:36-----	27.7	.0107	.0891
8:00-----	.77	.0003	.0025	:40-----	15.7	.0061	.0927	:50-----	1.46	.0006	.0113	10:04-----	27.7	.0107	.0941
12:00-----	.77	.0003	.0037	8:00-----	14.9	.0058	.0947	5:00-----	1.53	.0006	.0114	:20-----	27.2	.0105	.0969
p. m.				:20-----	14.2	.0055	.0966	:18-----	1.53	.0006	.0116	:40-----	26.7	.0103	.1004
1:20-----	.74	.0003	.0041	:40-----	13.5	.0052	.0984	:28-----	1.60	.0006	.0117	11:00-----	25.8	.0100	.1038
2:30-----	.70	.0003	.0044	9:00-----	13.2	.0051	.1001	:45-----	1.60	.0006	.0119	:30-----	24.9	.0096	.1087
4:20-----	.63	.0002	.0048	:20-----	12.5	.0048	.1017	6:10-----	1.68	.0006	.0122	12:00-----	23.5	.0091	.1134
5:00-----	.59	.0002	.0049	:40-----	12.2	.0047	.1033	:32-----	1.85	.0007	.0124				
6:10-----	.60	.0002	.0051	10:10-----	11.6	.0045	.1056	:40-----	2.01	.0008	.0125	a. m.			
7:00-----	.57	.0002	.0053	:40-----	11.0	.0042	.1078	:20-----	2.20	.0008	.0128	12:20-----	22.5	.0087	.0030
8:00-----	.55	.0002	.0055	11:00-----	10.7	.0041	.1092	:36-----	2.61	.0010	.0131	:40-----	21.7	.0084	.0058
10:30-----	.57	.0002	.0060	:20-----	10.1	.0039	.1112	:40-----	2.61	.0010	.0134	1:00-----	20.8	.0080	.0085
12:00-----	.60	.0002	.0063	12:00-----	9.60	.0037	.1131	:50-----	2.72	.0010	.0135	:30-----	20.0	.0077	.0125
May 23				May 25				8:10-----	3.31	.0013	.0141	2:00-----	19.1	.0074	.0162
a. m.				a. m.				:20-----	3.44	.0013	.0143	:20-----	18.7	.0072	.0186
1:00-----	.60	.0002	.0002	:20-----	9.06	.0035	.0036	:40-----	3.58	.0014	.0148	:40-----	18.3	.0071	.0210
3:00-----	.63	.0002	.0006	:40-----	8.80	.0034	.0048	9:00-----	3.58	.0014	.0153	3:00-----	17.9	.0069	.0233
5:20-----	.67	.0003	.0013	:50-----	8.54	.0033	.0059	:20-----	3.44	.0013	.0157	:40-----	17.2	.0066	.0278
8:20-----	.70	.0003	.0022	2:20-----	8.28	.0032	.0092	:40-----	3.31	.0013	.0161	4:00-----	16.8	.0065	.0300
p. m.				:50-----	8.03	.0031	.0108	10:00-----	3.31	.0013	.0165	:20-----	16.4	.0063	.0321
1:00-----	.70	.0003	.0036	3:20-----	7.78	.0030	.0124	:30-----	3.18	.0012	.0172	5:00-----	15.7	.0061	.0362
2:00-----	.70	.0003	.0039	:40-----	7.54	.0029	.0134	:48-----	3.18	.0012	.0176	:30-----	15.3	.0059	.0392
3:40-----	.74	.0003	.0044	4:20-----	7.30	.0028	.0143	11:00-----	3.31	.0013	.0178	6:00-----	14.9	.0058	.0421
4:40-----	.77	.0003	.0047	5:00-----	7.07	.0027	.0162	:20-----	3.58	.0014	.0183	:40-----	14.5	.0056	.0440
5:20-----	.81	.0003	.0049	:30-----	6.84	.0026	.0175	:40-----	4.01	.0015	.0188	7:00-----	13.8	.0053	.0477
6:00-----	.86	.0003	.0051	6:00-----	6.61	.0026	.0188	12:00-----	4.16	.0016	.0193	:40-----	13.5	.0052	.0512
:40-----	.90	.0003	.0053	:40-----	6.39	.0025	.0205					8:40-----	12.9	.0050	.0563
7:40-----	.95	.0004	.0057	7:30-----	6.17	.0024	.0225	May 30				9:40-----	12.2	.0047	.0617
:20-----	.99	.0004	.0058	8:20-----	5.96	.0023	.0244	a. m.				10:50-----	11.6	.0045	.0671
11:00-----	.99	.0004	.0073	9:00-----	5.76	.0022	.0259	12:20-----	4.32	.0017	.0005	p. m.			
12:00-----	1.04	.0004	.0077	10:10-----	5.56	.0021	.0283	:40-----	4.48	.0017	.0011	12:20-----	11.0	.0042	.0736
May 24				11:20-----	5.37	.0021	.0307	:50-----	4.48	.0017	.0028	1:40-----	10.4	.0040	.0791
a. m.								1:40-----	4.48	.0017	.0031	3:20-----	9.87	.0038	.0856
12:40-----	1.04	.0004	.0003	12:20-----	5.18	.0020	.0327	:54-----	4.82	.0019	.0032	4:50-----	9.33	.0036	.0912
1:10-----	1.10	.0004	.0005	1:20-----	5.00	.0019	.0346	2:12-----	5.18	.0020	.0038	6:30-----	8.80	.0034	.0970
:40-----	1.15	.0004	.0007	2:30-----	4.82	.0019	.0368	:20-----	5.56	.0021	.0041	8:40-----	8.28	.0032	.1041
2:00-----	1.21	.0005	.0009	3:20-----	4.65	.0018	.0384	:30-----	6.61	.0026	.0045	10:00-----	8.03	.0031	.1084
:10-----	1.26	.0005	.0010	4:10-----	4.48	.0017	.0398	:40-----	7.78	.0030	.0050	11:20-----	7.78	.0030	.1124
:30-----	1.33	.0005	.0012	5:00-----	4.32	.0017	.0412	:46-----	8.28	.0032	.0053	12:00-----	7.78	.0030	.1144
:40-----	1.40	.0005	.0013	:50-----	4.16	.0016	.0426	3:00-----	8.80	.0034	.0061				
3:00-----	1.53	.0006	.0015	8:00-----	3.86	.0015	.0458	:10-----	9.60	.0037	.0067	June 1			
:20-----	1.68	.0006	.0017	9:20-----	3.72	.0014	.0478	:26-----	9.87	.0038	.0077	a. m.			
:40-----	1.85	.0007	.0019	11:00-----	3.58	.0014	.0501	:44-----	10.4	.0040	.0089	1:00-----	7.54	.0029	.0029
4:00-----	2.10	.0008	.0021	12:00-----	3.58	.0014	.0515	:50-----	10.7	.0041	.0093	3:00-----	7.30	.0028	.0087
:20-----	2.30	.0009	.0024	May 26				:56-----	10.7	.0041	.0097	5:30-----	7.07	.0027	.0155
:40-----	2.61	.0010	.0027	a. m.				4:00-----	10.4	.0040	.0100	8:00-----	6.84	.0026	.0223
5:00-----	2.83	.0011	.0031	2:00-----	3.44	.0013	.0026	:20-----	9.87	.0038	.0113	10:20-----	6.61	.0026	.0284
:40-----	3.18	.0012	.0038	3:00-----	3.31	.0013	.0072	:40-----	9.06	.0035	.0125				
6:00-----	3.31	.0013	.0042	8:00-----	3.18	.0012	.0105	5:00-----	8.80	.0034	.0136	p. m.			
:20-----	3.58	.0014	.0046	11:00-----	3.06	.0012	.0141	:20-----	8.54	.0033	.0147	12:40-----	6.39	.0025	.0342
:40-----	4.16	.0016	.0051					:40-----	8.28	.0032	.0158	2:20-----	6.17	.0024	.0384
7:00-----	4.82	.0019	.0057	p. m.				:50-----	8.03	.0031	.0169	3:50-----	5.96	.0023	.0419
:20-----	5.76	.0022	.0064	1:00-----	2.94	.0011	.0165	:26-----	7.78	.0030	.0182	6:00-----	5.76	.0022	.0469
:30-----	6.61	.0026	.0068	2:40-----	2.83	.0011	.0183	:40-----	7.54	.0029	.0189	10:00-----	5.56	.0021	.0553
:40-----	7.30	.0028	.0073	4:00-----	2.72	.0010	.0196	7:00-----	7.07	.0027	.0198	12:00-----	5.56	.0021	.0595
8:00-----	8.80	.0034	.0078	7:00-----	2.61	.0010	.0226	:20-----	6.84	.0026	.0207				
:20-----	9.60	.0037	.0084	12:00-----	2.61	.0010	.0276	:40-----	6.61	.0026	.0216	June 2			
:38-----	11.3	.0044	.0099	May 27				8:10-----	6.39	.0025	.0229	a. m.			
:50-----	12.2	.0047	.0113	a. m.				:34-----	6.39	.0025	.0239	3:00-----	5.37	.0021	.0063
9:10-----	12.5	.0048	.0123	3:00-----	2.61	.0010	.0030	9:00-----	6.61	.0026	.0250	8:00-----	5.18	.0020	.0168
:20-----	12.9	.0050	.0139	7:00-----	2.50	.0010	.0070	:20-----	6.84	.0026	.0259	9:20-----	5.18	.0020	.0195
:40-----	13.5	.0052	.0164	11:00-----	2.40	.0009	.0106	:40-----	7.07	.0027	.0268	11:00-----	5.00	.0019	.0227
:50-----	14.5	.0056	.0173					10:00-----	7.54	.0029	.0277	p. m.			
10:00-----	16.0	.0062	.0183	p. m.				:20-----	8.03	.0031	.0287	12:20-----	4.82	.0019	.0252
				1:30-----	2.30	.0009	.0129	:40-----	8.54	.0033	.0298				



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
June 2					June 8					June 9					June 10				
p. m.					p. m.					a. m.					p. m.				
6:00-----	4.01	0.0015	0.0348		12:30-----	1.60	0.0006	0.0078		8:00-----	5.00	0.0019	0.0226		2:08-----	65.3	0.0252	0.268	
7:00-----	4.01	.0015	.0363		1:30-----	1.53	.0006	.0084		:20-----	4.82	.0019	.0232		:09-----	72.4	.0279	.0273	
11:00-----	3.86	.0015	.0423		2:32-----	1.46	.0006	.0090		:40-----	4.65	.0018	.0238		:10-----	80.0	.0312	.0278	
12:00-----	3.86	.0015	.0438		:34-----	1.46	.0006			9:00-----	4.48	.0017	.0244		:11-----	85.0	.0328	.0283	
June 3					:40-----	1.68	.0006	.0091		10:00-----	4.01	.0015	.0260		:12-----	90.2	.0348	.0289	
a. m.					:50-----	1.76	.0007	.0092		11:00-----	3.72	.0014	.0275		:14-----	96.8	.0373	.0301	
6:00-----	3.86	.0015	.0090		3:10-----	1.76	.0007	.0094		12:00-----	3.44	.0013	.0288		:16-----	104	.0401	.0314	
10:00-----	3.72	.0014	.0150		:20-----	1.85	.0007	.0095							:18-----	111	.0428	.0328	
p. m.					:36-----	2.01	.0008	.0097		p. m.					:20-----	116	.0448	.0342	
12:20-----	3.58	.0014	.0183		:40-----	2.10	.0008	.0098		1:00-----	3.31	.0013	.0301		:26-----	124	.0470	.0388	
2:00-----	3.44	.0013	.0205		:50-----	2.50	.0010	.0100		2:00-----	3.06	.0012	.0313		:30-----	123	.0475	.0420	
3:00-----	3.31	.0013	.0218		:55-----	2.83	.0011	.0101		3:00-----	2.94	.0011	.0325		:35-----	116	.0448	.0458	
4:30-----	3.18	.0012	.0238		4:00-----	2.94	.0011	.0102		:30-----	2.83	.0011	.0331		:40-----	110	.0425	.0494	
9:00-----	3.06	.0012	.0292		:05-----	3.18	.0012	.0103		:45-----	2.83	.0011	.0334		:45-----	107	.0413	.0529	
12:00-----	2.94	.0011	.0325		:10-----	3.72	.0014	.0104		:50-----	3.18	.0012	.0335		:50-----	103	.0398	.0563	
June 4					:15-----	4.48	.0017	.0105		4:00-----	3.58	.0014	.0337		3:00-----	94.6	.0365	.0594	
a. m.					:20-----	5.00	.0019	.0106		:02-----	3.72	.0014	.0342		:05-----	90.2	.0348	.0624	
9:00-----	2.94	.0011	.0099		:23-----	5.37	.0021	.0107		:08-----	3.86	.0015	.0344		:10-----	85.0	.0328	.0652	
11:30-----	2.83	.0011	.0127		:30-----	5.76	.0022	.0110		:10-----	4.16	.0016	.0349		:15-----	82.0	.0316	.0679	
p. m.					:37-----	5.96	.0023	.0113		:15-----	4.82	.0019	.0350		:20-----	78.0	.0301	.0705	
12:40-----	2.72	.0010	.0140		:40-----	6.17	.0024	.0115		:20-----	5.76	.0022	.0352		:30-----	74.2	.0286	.0754	
1:40-----	2.61	.0010	.0150		:50-----	7.07	.0027	.0119		:24-----	5.96	.0023	.0354		:40-----	70.5	.0272	.0801	
3:20-----	2.40	.0009	.0165		:55-----	8.24	.0032	.0121		:28-----	6.17	.0024	.0356		:50-----	67.0	.0258	.0846	
4:40-----	2.30	.0009	.0177		5:00-----	9.60	.0037	.0124		:32-----	6.84	.0026	.0358		4:00-----	63.6	.0245	.0888	
6:20-----	2.20	.0008	.0192		:05-----	11.0	.0042	.0127		:36-----	8.03	.0031	.0360		:10-----	61.1	.0235	.0928	
8:40-----	2.20	.0008	.0211		:10-----	12.2	.0047	.0131		:38-----	9.33	.0036	.0361		:20-----	57.9	.0223	.0966	
12:00-----	2.40	.0009	.0238		:12-----	13.8	.0053	.0133		:40-----	11.0	.0042	.0362		:30-----	55.6	.0214	.1003	
June 5					:15-----	16.0	.0062	.0136		:44-----	12.9	.0050	.0365		:40-----	53.2	.0205	.1038	
a. m.					:20-----	17.9	.0069	.0141		:46-----	14.9	.0058	.0367		:50-----	51.0	.0196	.1071	
1:00-----	2.20	.0008	.0039		:25-----	19.1	.0074	.0147		:48-----	16.8	.0065	.0369		5:00-----	48.9	.0188	.1103	
2:10-----	2.10	.0008	.0048		:30-----	18.3	.0071	.0153		:50-----	17.9	.0069	.0371		:20-----	45.4	.0175	.1164	
3:00-----	2.01	.0008	.0055		:35-----	16.8	.0065	.0159		:52-----	19.6	.0076	.0373		:40-----	42.7	.0164	.1220	
4:00-----	1.93	.0007	.0062		:40-----	14.9	.0058	.0164		:54-----	22.1	.0085	.0376		6:00-----	40.8	.0157	.1274	
5:40-----	1.85	.0007	.0074		:50-----	12.9	.0050	.0173		:55-----	24.9	.0096	.0378		:20-----	38.9	.0150	.1325	
10:20-----	1.85	.0007	.0104		6:00-----	11.6	.0045	.0181		:56-----	27.7	.0107	.0380		:40-----	37.7	.0146	.1374	
12:00-----	1.93	.0007	.0116		:20-----	11.0	.0042	.0195		5:00-----	29.8	.0115	.0387		:50-----	36.5	.0141	.1422	
June 6					:40-----	9.33	.0036	.0209		:05-----	30.3	.0117	.0397		:15-----	35.3	.0136	.1457	
a. m.					:50-----	8.28	.0032	.0220		:15-----	28.2	.0109	.0416		:40-----	33.6	.0130	.1512	
4:00-----	2.01	.0008	.0032		7:00-----	8.03	.0031	.0225		:20-----	26.7	.0103	.0425		8:00-----	32.4	.0125	.1555	
10:40-----	2.01	.0008	.0085		:10-----	7.78	.0030	.0235		:30-----	24.4	.0094	.0441		:40-----	29.8	.0115	.1635	
p. m.					:30-----	7.54	.0029	.0240		:40-----	22.1	.0085	.0456		9:00-----	28.7	.0111	.1673	
12:10-----	1.93	.0007	.0097		:40-----	6.61	.0026	.0249		:50-----	20.0	.0077	.0470		:20-----	27.2	.0105	.1709	
1:20-----	1.85	.0007	.0005		:50-----	6.17	.0024	.0257		6:00-----	17.9	.0069	.0482		:40-----	25.8	.0100	.1743	
3:00-----	1.68	.0006	.0117		:20-----	5.56	.0021	.0265		:10-----	16.0	.0062	.0493		10:00-----	24.9	.0094	.1775	
4:00-----	1.60	.0006	.0123		:30-----	5.18	.0020	.0272		:20-----	14.2	.0055	.0503		:20-----	23.5	.0091	.1805	
5:00-----	1.53	.0006	.0129		:40-----	4.82	.0019	.0278		:30-----	12.9	.0050	.0512		:40-----	22.1	.0085	.1834	
:50-----	1.53	.0006	.0134		:50-----	4.32	.0017	.0284		:40-----	11.9	.0046	.0520		11:00-----	21.3	.0082	.1862	
6:40-----	1.60	.0006	.0139		10:00-----	4.16	.0016	.0290		:50-----	11.0	.0042	.0527		:20-----	20.0	.0077	.1888	
11:00-----	1.68	.0006	.0141		:20-----	3.86	.0015	.0295		7:00-----	10.1	.0039	.0534		12:00-----	17.9	.0069	.1937	
12:00-----	1.68	.0006	.0147		11:00-----	3.44	.0013	.0304		:20-----	9.06	.0035	.0546		June 11				
June 7					12:00-----	3.18	.0012	.0317		:40-----	8.28	.0032	.0557		a. m.				
a. m.					June 9					8:00-----	7.78	.0030	.0567		12:30-----	17.2	.0066	.0034	
4:00-----	2.01	.0008	.0032		a. m.					:20-----	7.30	.0028	.0577		1:00-----	16.4	.0063	.0067	
10:40-----	2.01	.0008	.0085		12:30-----	3.06	.0012	.0006		:40-----	6.84	.0026	.0586		:30-----	16.0	.0062	.0098	
p. m.					:56-----	2.94	.0011	.0011		:50-----	6.61	.0026	.0595		2:00-----	15.3	.0059	.0128	
12:10-----	1.93	.0007	.0097		1:16-----	2.94	.0011	.0015		:20-----	6.17	.0024	.0603		:30-----	14.2	.0055	.0135	
1:20-----	1.85	.0007	.0005		:22-----	3.06	.0012	.0016		10:00-----	5.76	.0022	.0618		:40-----	13.8	.0053	.0166	
3:00-----	1.68	.0006	.0117		:50-----	3.06	.0012	.0022		:50-----	5.56	.0021	.0635		:40-----	13.8	.0053	.0166	
4:00-----	1.60	.0006	.0123		2:20-----	3.18	.0012	.0028		12:00-----	5.56	.0021	.0659		:48-----	14.2	.0055	.0171	
5:00-----	1.53	.0006	.0129		:30-----	3.31	.0013	.0032		June 10					:40-----	14.2	.0055	.0181	
:50-----	1.53	.0006	.0134		3:00-----	3.44	.0013	.0036		a. m.					:20-----	14.5	.0056	.0202	
6:40-----	1.60	.0006	.0139		:10-----	3.72	.0014	.0038		12:45-----	5.56	.0021	.0016		:40-----	15.3	.0059	.0224	
11:00-----	1.68	.0006	.0141		:15-----	3.86	.0015	.0039		2:00-----	5.18	.0020	.0042		5:00-----	15.7	.0061	.0242	
12:00-----	1.68	.0006	.0147		:17-----	4.48	.0017	.0040		3:00-----	5.00	.0019	.0061		:40-----	16.0	.0062	.0259	
June 8					:16-----	5.18	.0020			4:00-----	4.82	.0019	.0080		6:40-----	16.0	.0062	.0344	
a. m.					:17-----	5.96	.0023			5:00-----	4.65	.0018	.0098		8:00-----	15.7	.0061	.0425	
4:00-----	2.01	.0008	.0032		:18-----	6.84	.0026			:50-----	4.48	.0017	.0113		:20-----	15.3	.0059	.0442	
10:40-----	2.01	.0008	.0085		:19-----	7.78	.0030			6:40-----	4.32	.0017	.0127		:40-----	14.9	.0058	.0465	
p. m.					:20-----	8.80	.0034	.0041		7:50-----	4.16	.0016	.0146		9:30-----	14.2	.0055	.0511	
12:40-----	1.68	.0006	.0087		:22-----	10.4	.0040	.0042		10:00-----	4.01	.0015	.0181		:20-----	13.8	.0053	.0538	
2:00-----	1.68	.0006	.0095		:24-----	11.6	.0045	.0043		:40-----	3.86	.0015	.0191		11:00-----	13.2	.0051	.0590	
3:20-----	1.76	.0007	.0103		:26-----	12.5	.0048	.0045		11:40-----	3.72	.0014	.0206		:20-----	12.9	.0050	.0607	
4:20-----	1.85	.0007	.0110		:28-----	14.2	.0055	.0047		p. m.					p. m.				
:40-----	2.10	.0008	.0112		:30-----	16.4	.0063	.0049		12:40-----	3.58	.0014							



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 11				June 12				June 17				June 18			
p. m.				p. m.				a. m.				p. m.			
2:00	84.0	0.0324	0.0792	10:50	16.4	0.0063	0.1342	8:00	3.58	0.0014	0.0112	5:38	190	0.0733	0.1988
:02	92.4	0.0356	0.0803	11:00	17.5	0.0068	0.1353	12:00	3.44	0.0013	0.0164	:40	179	0.0691	0.1961
:04	101	0.0390	0.0815	:10	18.7	0.0072	0.1365					:42	170	0.0656	0.1983
:06	111	0.0428	0.0828	:30	18.7	0.0072	0.1389	p. m.				:44	160	0.0618	0.2004
:08	120	0.0463	0.0843	:40	20.0	0.0077	0.1402	2:50	3.31	0.0013	0.0201	:46	150	0.0579	0.2025
:10	130	0.0502	0.0859	:50	21.3	0.0082	0.1415	4:40	3.31	0.0013	0.0225	:48	142	0.0548	0.2044
:12	140	0.0540	0.0876	12:00	20.4	0.0079	0.1429	6:20	3.18	0.0012	0.0237	:50	135	0.0521	0.2062
:14	147	0.0567	0.0894					9:00	2.94	0.0011	0.0265	:52	125	0.0483	0.2079
:16	155	0.0598	0.0914	June 13				12:00	2.94	0.0011	0.0298	:54	120	0.0463	0.2095
:20	162	0.0625	0.0935	a. m.								:56	114	0.0440	0.2110
:24	165	0.0637	0.0947	12:20	18.7	0.0072	0.0025	June 18				6:00	105	0.0405	0.2138
:30	158	0.0610	0.1059	:40	17.5	0.0068	0.0048	a. m.				:05	96.8	0.0373	0.2170
:35	151	0.0583	0.1108	:40	16.8	0.0065	0.0070	7:48	2.94	0.0011	0.0086	:10	88.0	0.0339	0.2200
:40	144	0.0556	0.1155	:20	16.0	0.0062	0.0091	:50	2.94	0.0011		:15	82.0	0.0316	0.2227
:50	132	0.0510	0.1244	:40	15.3	0.0059	0.0111	:56	3.06	0.0012	0.0087	:20	76.1	0.0293	0.2252
:55	125	0.0483	0.1285	2:00	14.9	0.0058	0.0131	8:10	3.06	0.0012	0.0090	:25	71.4	0.0275	0.2278
3:00	118	0.0455	0.1324	3:00	14.2	0.0055	0.0187	:25	3.18	0.0012	0.0093	:30	67.0	0.0258	0.2298
:05	111	0.0428	0.1361	4:10	13.5	0.0052	0.0250	:46	3.31	0.0013	0.0098	:40	61.9	0.0239	0.2340
:10	105	0.0405	0.1396	5:00	13.2	0.0051	0.0293	9:00	3.44	0.0013	0.0101	:50	56.3	0.0217	0.2378
:15	99.0	0.0382	0.1429	6:00	12.9	0.0050	0.0343	:20	3.86	0.0015	0.0106	7:00	52.5	0.0202	0.2413
:20	96.8	0.0373	0.1460	7:00	12.5	0.0048	0.0392	:40	4.32	0.0017	0.0111	:10	48.9	0.0188	0.2446
:30	90.2	0.0348	0.1520	8:20	12.2	0.0047	0.0456	10:00	4.82	0.0019	0.0117	:20	46.1	0.0178	0.2476
:40	83.0	0.0320	0.1576	9:20	11.9	0.0046	0.0502	:20	5.56	0.0021	0.0124	:30	44.0	0.0169	0.2505
:45	79.0	0.0305	0.1602	10:20	11.6	0.0045	0.0547	:45	5.96	0.0023	0.0130	:40	41.4	0.0160	0.2532
:50	74.2	0.0286	0.1626	11:00	11.3	0.0044	0.0577	11:45	5.96	0.0023	0.0153	8:00	37.7	0.0146	0.2583
4:00	70.5	0.0272	0.1673	:40	11.0	0.0042	0.0606	12:00	6.17	0.0024	0.0159	:20	35.3	0.0136	0.2630
:10	67.0	0.0258	0.1717									:40	33.0	0.0127	0.2674
:20	63.6	0.0245	0.1759	p. m.								9:00	30.9	0.0119	0.2715
:30	60.3	0.0232	0.1799	12:50	10.4	0.0040	0.0654					:30	28.7	0.0111	0.2773
:40	57.9	0.0223	0.1837	2:00	9.87	0.0038	0.0699	12:20	6.39	0.0025	0.0167	10:00	26.7	0.0103	0.2827
5:00	53.2	0.0205	0.1908	3:30	9.33	0.0036	0.0755	:40	6.61	0.0026	0.0176	:30	25.3	0.0098	0.2877
:20	49.6	0.0191	0.1974	5:10	8.80	0.0034	0.0831	1:00	6.84	0.0026	0.0185	11:00	23.9	0.0092	0.2925
:40	46.1	0.0178	0.2035	6:40	8.54	0.0033	0.0865	:30	6.84	0.0026	0.0198	:30	23.0	0.0089	0.2971
6:00	44.0	0.0169	0.2093	8:30	8.28	0.0032	0.0924	:44	6.84	0.0026	0.0204	12:00	21.7	0.0084	0.3014
:20	42.1	0.0162	0.2148	12:00	8.03	0.0031	0.1036	2:00	6.61	0.0026	0.0211				
:40	40.8	0.0157	0.2203					:20	6.39	0.0025	0.0219	June 19			
7:00	39.5	0.0152	0.2254	June 14				:40	5.96	0.0023	0.0227	a. m.			
:20	38.9	0.0150	0.2304	a. m.				3:00	5.76	0.0022	0.0235	12:30	20.8	0.0080	0.0082
8:00	37.7	0.0146	0.2403	2:00	8.03	0.0031	0.0062	:21	5.37	0.0021	0.0242	1:00	20.0	0.0077	0.0122
:30	36.5	0.0141	0.2475	6:00	7.78	0.0030	0.0182	:36	5.37	0.0021	0.0247	2:00	18.7	0.0072	0.0196
9:00	34.8	0.0134	0.2544	9:00	7.54	0.0029	0.0272	:40	5.56	0.0021	0.0248	3:00	17.5	0.0068	0.0266
:20	33.0	0.0127	0.2588	11:00	7.30	0.0028	0.0328	:45	5.76	0.0022	0.0250	4:00	16.8	0.0065	0.0333
10:00	30.3	0.0117	0.2669	12:00	7.07	0.0027	0.0355	:50	6.61	0.0026	0.0252	5:00	16.0	0.0062	0.0396
:20	28.7	0.0111	0.2707					:52	7.30	0.0028	0.0253	6:00	15.3	0.0059	0.0456
:40	27.2	0.0105	0.2743	p. m.				:54	8.03	0.0031	0.0254	7:00	14.5	0.0056	0.0513
11:00	25.8	0.0100	0.2777	1:20	6.84	0.0026	0.0391	:56	8.50	0.0034	0.0255	8:00	14.2	0.0055	0.0568
:20	24.4	0.0094	0.2809	2:30	6.61	0.0026	0.0421	:58	9.60	0.0037	0.0256	9:10	13.8	0.0053	0.0586
:40	23.0	0.0089	0.2840	3:40	6.39	0.0025	0.0450	4:00	11.0	0.0042	0.0257	10:10	13.5	0.0052	0.0639
12:00	22.1	0.0085	0.2869	5:00	6.17	0.0024	0.0483	:02	12.5	0.0048	0.0258	11:20	12.9	0.0050	0.0698
				6:00	6.17	0.0024	0.0507	:04	14.2	0.0055	0.0260				
June 12				7:20	6.39	0.0025	0.0539	:05	15.7	0.0061	0.0261	p. m.			
a. m.				12:00	6.39	0.0025	0.0656	:06	17.2	0.0066	0.0262	12:20	12.2	0.0047	0.0746
12:30	21.7	0.0084	0.0043					:07	19.1	0.0074	0.0263	1:20	11.6	0.0045	0.0794
1:00	20.8	0.0080	0.0125	June 15				:08	22.1	0.0085	0.0264	2:20	10.7	0.0041	0.0837
2:00	20.0	0.0077	0.0204	a. m.				:09	25.8	0.0100	0.0266	3:10	10.1	0.0039	0.0870
3:00	19.1	0.0074	0.0279	1:00	6.39	0.0025	0.0025	:10	29.8	0.0115	0.0268	4:20	9.60	0.0037	0.0914
4:00	18.3	0.0071	0.0352	5:00	6.17	0.0024	0.0125	:11	34.2	0.0132	0.0270	5:40	9.06	0.0035	0.0962
5:00	17.9	0.0069	0.0422	8:40	5.96	0.0023	0.0209	:12	38.9	0.0150	0.0272	6:40	8.80	0.0034	0.0996
6:00	17.2	0.0066	0.0490	10:00	5.96	0.0023	0.0240	:13	45.4	0.0175	0.0275	7:40	8.54	0.0033	0.1030
:50	16.8	0.0065	0.0544	11:20	5.76	0.0022	0.0271	:14	53.2	0.0205	0.0278	10:00	8.28	0.0032	0.1105
7:30	16.4	0.0063	0.0587					:15	61.9	0.0239	0.0282	12:00	8.03	0.0031	0.1169
8:20	16.0	0.0062	0.0640	p. m.				:16	70.5	0.0272	0.0286				
10:30	15.7	0.0061	0.0711	1:00	5.56	0.0021	0.0299	:17	82.0	0.0316	0.0292	June 20			
11:40	14.9	0.0058	0.0780	2:10	5.37	0.0021	0.0323	:18	94.6	0.0365	0.0298	a. m.			
				3:20	5.18	0.0020	0.0346	:19	109	0.0421	0.0304	1:00	8.03	0.0031	0.0031
June 15				4:20	5.00	0.0019	0.0366	:20	124	0.0479	0.0312	3:00	7.78	0.0030	0.0093
a. m.				5:30	4.82	0.0019	0.0388	:21	135	0.0521	0.0321	5:40	7.54	0.0029	0.0169
1:00	6.39	0.0025	0.0025	6:40	4.65	0.0018	0.0409	:22	150	0.0579	0.0330	8:00	7.30	0.0028	0.0237
5:00	6.17	0.0024	0.0125	8:20	4.65	0.0018	0.0427	:23	167	0.0645	0.0340	9:20	7.07	0.0027	0.0273
8:40	5.96	0.0023	0.0209	9:20	4.82	0.0019	0.0446	:24	184	0.0710	0.0352	11:00	6.84	0.0026	0.0318
10:00	5.96	0.0023	0.0240	10:20	5.18	0.0020	0.0465	:25	200	0.0772	0.0365				
11:20	5.76	0.0022	0.0271	11:00	5.18	0.0020	0.0478	:26	211	0.0814	0.0391	p. m.			
				12:00	5.00	0.0019	0.0498	:28	233	0.0899	0.0419	1:00	6.61	0.0026	0.0370
p. m.								:30	255	0.0984	0.0450	2:40	5.96	0.0023	0.0410
1:00	5.56	0.0021	0.0299	June 16				:32	281	0.108	0.0482	3:50	5.76	0.0022	0.0436
2:10	5.37	0.0021	0.0323	a. m.				:34	300	0.116	0.0519	5:00	5.56	0.0021	0.0462
3:20	5.18	0.0020	0.0346	3:20	4.82	0.0019	0.0063	:36	318	0.123	0.0558	6:40	5.37	0.0021	0.0497
4:20	5.00	0.0019	0.0366	4:20	4.82	0.0019	0.0082	:38	332	0.128	0.0599	12:00	5.18	0.0020	0.0604
5:30	4.82	0.0019	0.0388	6:30	4.65	0.0018	0.0123	:40	350	0.135					



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 22				June 24				June 26				June 28			
a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches
8:40	4.01	0.0015	0.0130	5:50	6.39	0.0025	0.0659	8:00	9.60	.0037	.0369	11:00	211	0.0814	0.2345
11:20	3.86	.0015	.0180	7:30	5.96	.0023	.0699	9:00	9.33	.0036	.0405	:05	192	.0741	.2410
p. m.				8:30	5.76	.0022	.0721	10:50	8.80	.0034	.0469	:10	178	.0687	.2469
12:20	3.72	.0014	.0194	10:20	5.56	.0021	.0761					:12	170	.0656	.2491
3:00	3.58	.0014	.0241	12:00	5.56	.0021	.0796	p. m.				:14	163	.0629	.2512
5:00	3.72	.0014	.0278	June 25				12:30	8.28	.0032	.0524	:16	156	.0602	.2532
9:00	3.72	.0014	.0334	a. m.				1:40	7.78	.0030	.0550	:20	146	.0564	.2551
12:00	3.58	.0014	.0376	2:00	5.37	.0021	.0042	4:20	7.78	.0030	.0630	:25	135	.0521	.2596
June 23				5:00	5.18	.0020	.0105	5:40	7.54	.0029	.0669	:30	124	.0479	.2654
a. m.				8:00	5.00	.0019	.0162	6:50	7.30	.0028	.0703	:35	115	.0444	.2692
10:00	3.58	.0014	.0140	10:00	4.82	.0019	.0200	8:00	7.07	.0027	.0734	:40	109	.0421	.2728
12:00	3.44	.0013	.0166	11:00	4.65	.0018	.0219	10:20	6.84	.0026	.0797	:45	101	.0390	.2762
p. m.				12:00	4.48	.0017	.0236	12:00	6.84	.0026	.0866	:50	95.7	.0369	.2794
1:00	3.31	.0013	.0179	p. m.				June 27				:55	91.3	.0352	.2824
2:40	3.06	.0012	.0201	1:00	4.32	.0017	.0253	a. m.				12:00	86.0	.0332	.2852
4:40	2.83	.0011	.0225	2:00	4.16	.0016	.0269	3:40	6.61	.0026	.0095	p. m.			
8:22	2.83	.0011	.0266	:40	4.01	.0015	.0280	8:00	6.39	.0025	.0203	:20	79.0	.0305	.2905
:25	3.18	.0012	.0267	3:24	3.86	.0015	.0291	10:00	6.17	.0024	.0253	:30	71.4	.0275	.2953
:30	4.16	.0016	.0268	:33	3.86	.0015	.0293	11:30	5.96	.0023	.0288	:40	67.0	.0258	.3014
:32	4.65	.0018	.0269	4:10	3.86	.0015	.0302					:50	62.7	.0242	.3056
:38	5.56	.0021	.0271	:15	4.32	.0017	.0303	p. m.				:50	58.7	.0226	.3095
:40	5.76	.0022	.0272	:25	4.32	.0017	.0306	12:30	5.76	.0022	.0311	1:00	55.6	.0214	.3132
:44	5.96	.0023	.0274	:40	4.48	.0017	.0310	1:30	5.56	.0021	.0332	:10	52.5	.0202	.3167
:50	7.30	.0028	.0277	5:00	5.18	.0020	.0329	2:40	5.37	.0021	.0356	:20	50.3	.0194	.3200
:52	8.28	.0032	.0278	:10	5.76	.0022	.0333	4:00	5.18	.0020	.0383	:40	46.1	.0178	.3231
:54	9.60	.0037	.0279	:12	5.96	.0023	.0334	5:30	5.00	.0019	.0413	2:00	42.7	.0164	.3288
:56	11.0	.0042	.0280	:16	7.07	.0027	.0336	7:40	4.82	.0019	.0454	:20	39.5	.0152	.3341
9:00	12.5	.0048	.0283	:18	8.28	.0032	.0337	12:00	4.82	.0019	.0536	:40	37.7	.0146	.3391
:04	14.2	.0055	.0287	:20	9.87	.0038	.0338					3:00	35.3	.0136	.3438
:06	14.9	.0058	.0289	:21	11.0	.0042	.0339	June 28				:20	33.6	.0130	.3482
:08	17.2	.0066	.0291	:22	12.2	.0047	.0340	a. m.				:40	31.4	.0121	.3524
:09	18.7	.0072	.0292	:23	13.5	.0052	.0341	7:39	4.82	.0019	.0142	4:00	29.8	.0115	.3563
:10	20.4	.0079	.0293	:24	14.5	.0056	.0342	:40	4.82	.0019		:20	28.7	.0111	.3601
:11	23.0	.0089	.0294	:25	16.0	.0062	.0343	:45	5.18	.0020	.0144	5:00	26.3	.0102	.3672
:12	26.3	.0102	.0296	:26	17.5	.0068	.0344	:50	6.17	.0024	.0146	:40	24.9	.0096	.3738
:13	29.3	.0113	.0298	:27	19.1	.0074	.0345	:55	7.07	.0027	.0148	6:00	24.4	.0094	.3770
:14	33.0	.0127	.0300	:28	21.3	.0082	.0346	8:00	8.54	.0033	.0151	:40	23.0	.0089	.3831
:15	36.5	.0141	.0302	:29	23.9	.0092	.0347	:05	10.1	.0039	.0154	7:00	22.1	.0085	.3860
:16	41.4	.0160	.0305	:30	27.7	.0107	.0349	:06	11.0	.0042	.0155	8:00	20.8	.0080	.3943
:17	44.7	.0172	.0308	:31	31.4	.0121	.0351	:08	12.2	.0047	.0156	9:00	20.0	.0077	.4021
:18	47.5	.0183	.0311	:32	35.3	.0136	.0353	:10	13.5	.0052	.0158	10:00	18.7	.0072	.4096
:19	50.3	.0194	.0314	:34	40.1	.0155	.0355	:12	14.9	.0058	.0160	11:20	17.9	.0069	.4189
:20	53.2	.0205	.0317	:35	44.0	.0169	.0358	:14	16.8	.0065	.0162	12:00	17.5	.0068	.4235
:22	57.1	.0220	.0324	:36	46.1	.0178	.0361	:16	17.9	.0069					
:24	60.3	.0232	.0332	:38	49.6	.0191	.0367	:20	20.0	.0077	.0167	June 29			
:28	61.9	.0239	.0348	:40	52.5	.0202	.0374	:22	22.1	.0085	.0170	a. m.			
:40	57.1	.0220	.0394	:50	56.3	.0217	.0409	:23	24.4	.0094	.0171	1:00	16.8	.0065	.0066
:48	54.0	.0208	.0422	:55	60.3	.0232	.0428	:24	26.7	.0103	.0173	2:00	20.4	.0079	.0133
:55	54.0	.0208	.0446	6:00	63.6	.0245	.0448	:25	29.8	.0115	.0175	3:40	15.7	.0061	.0250
10:00	52.5	.0202	.0463	:05	65.3	.0252	.0469	:26	33.6	.0130	.0177	5:20	14.9	.0058	.0350
:10	49.6	.0191	.0496	:10	64.4	.0248	.0490	:27	38.9	.0150	.0179	6:00	14.5	.0056	.0388
:20	44.7	.0172	.0526	:15	61.1	.0235	.0510	:28	45.4	.0175	.0182	7:00	14.2	.0055	.0443
:30	40.1	.0155	.0553	:20	57.1	.0220	.0529	:29	49.6	.0191	.0185	8:00	13.8	.0053	.0497
:40	38.3	.0148	.0578	:25	51.7	.0199	.0547	:30	54.0	.0208	.0188	9:00	13.5	.0052	.0550
:50	38.3	.0148	.0603	:30	48.2	.0186	.0563	:31	58.7	.0226	.0192	10:30	12.9	.0050	.0627
11:00	36.5	.0141	.0627	:35	44.7	.0172	.0578	:32	62.7	.0242	.0196	11:00	12.5	.0048	.0652
:10	34.2	.0132	.0650	:40	40.8	.0157	.0592	:34	68.7	.0265	.0204				
:20	31.9	.0123	.0671	:45	37.1	.0143	.0604	:36	74.2	.0286	.0213	p. m.			
:30	29.3	.0113	.0691	:50	35.3	.0136	.0616	:38	79.0	.0305	.0223	12:40	12.2	.0047	.0732
:40	26.7	.0103	.0709	:55	33.0	.0127	.0627	:40	85.0	.0328	.0233	1:00	12.2	.0047	.0748
:50	24.4	.0094	.0726	7:00	30.9	.0119	.0637	:42	92.4	.0356	.0244	:20	12.5	.0048	.0764
12:00	22.5	.0087	.0741	:10	28.2	.0109	.0656	:43	101	.0390	.0250	:30	12.5	.0048	.0787
June 24				:20	25.8	.0100	.0674	:44	109	.0421	.0257	:40	12.9	.0050	.0820
a. m.				:30	24.4	.0094	.0690	:45	111	.0428	.0264	3:05	13.2	.0051	.0841
12:20	20.0	.0077	.0027	:40	23.5	.0091	.0705	:50	119	.0459	.0301	:40	13.2	.0051	.0871
:40	17.9	.0069	.0051	:50	24.4	.0094	.0736	:54	123	.0475	.0332	5:00	12.2	.0047	.0936
1:00	16.4	.0063	.0073	:10	24.9	.0096	.0752	:56	121	.0467	.0348	6:00	11.6	.0045	.0982
:20	15.3	.0059	.0093	:20	24.4	.0094	.0768	9:05	121	.0467	.0418	7:00	11.3	.0044	.1026
:40	14.2	.0055	.0112	:50	24.4	.0094	.0815	:10	124	.0479	.0457	8:00	11.0	.0042	.1069
2:00	13.5	.0052	.0130	9:00	23.9	.0092	.0831	:15	134	.0517	.0498	9:00	10.7	.0041	.1111
:20	12.5	.0048	.0147	:20	22.1	.0085	.0844	:20	147	.0567	.0543	10:30	10.4	.0040	.1151
:40	11.9	.0046	.0163	:40	20.4	.0079	.0871	:25	160	.0618	.0592	12:00	10.4	.0040	.1191
3:00	11.6	.0045	.0178	10:00	18.7	.0072	.0896	:28	174	.0672	.0624				
:30	11.0	.0042	.0200	:20	17.5	.0068	.0919	:30	184	.0710	.0647	June 30			
4:00	10.4	.0040	.0221	:40	16.8	.0065	.0941	:35	200	.0772	.0709	a. m.			
5:00	9.87	.0035	.0260	11:00	16.0	.0062	.0962	:40	213	.0822	.0775	1:00	8.28	.0032	.0369
6:00	9.33	.0036	.0297	:20	15.3	.0059	.0982	:45	230	.0888	.0846	2:00	8.03	.0031	.0401
7:10	8.80	.0034	.0338	:40	14.9	.0058	.1002	:50	247	.0953	.0922	3:00	7.78	.0030	.0431
8:40	8.28	.0032	.0388	12:00	14.5	.0056	.1021	:55	272	.105	.1005	4:00	7.78	.0030	.0461
9:40	8.03	.0031	.0420	June 26				:58	287	.111	.1059	5:00	7.78	.0030	.0491
10:40	7.78	.0030	.0452	a. m.				10:00	308	.119	.1097	:50	8.03	.0031	.0527
p. m.				12:20	14.2	.0055	.0018	:05	340	.131	.1201	6:20	8.28	.0032	.0543
2:10	7.78	.0030	.0557	:50	13.8	.0053	.0045	:10	366	.141	.1315	7:10	8.80	.0034	.0570
:50	7.54	.0029	.0577	:50	13.5	.0052	.0080	:15	387	.149	.1436				
3:10	7.78	.0030	.0587	1:20	12.9	.0050	.0115	:20	396	.153	.1562	1:00			
4:00	7.30	.0028	.0611	2:00	11.9	.0046	.0163								



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 30				July 5				July 10				July 15			
p. m.				p. m.				p. m.				p. m.			
7:20-----	9.06	0.0035	0.0576	1:20-----	3.86	0.0015	0.0223	7:15-----	8.28	0.0032	0.0141	6:20-----	0.90	0.0003	0.0072
:40-----	9.60	.0037	.0588	3:40-----	3.58	.0014	.0256	:40-----	8.28	.0032	.0154	8:00-----	.86	.0003	.0077
8:00-----	10.1	.0039	.0601	8:00-----	3.31	.0013	.0317	:50-----	8.03	.0031	.0159	11:00-----	.86	.0003	.0086
:10-----	10.1	.0039	.0608	9:00-----	3.31	.0013	.0330	8:00-----	8.80	.0034	.0164	12:00-----	.90	.0003	.0089
:20-----	10.7	.0041	.0621	12:00-----	3.44	.0013	.0369	:15-----	11.0	.0042	.0174				
:40-----	11.6	.0045	.0650					:30-----	9.87	.0038	.0184	July 16			
9:00-----	11.9	.0046	.0665	July 6				:55-----	8.28	.0032	.0199	a. m.			
:20-----	11.9	.0046	.0680	a. m.				9:00-----	7.78	.0030	.0202	12:40-----	.95	.0004	.0003
:40-----	11.6	.0045	.0695	1:00-----	3.44	.0013	.0013	:15-----	6.84	.0026	.0209	1:10-----	1.15	.0004	.0005
10:00-----	11.3	.0044	.0710	5:00-----	3.58	.0014	.0069	:30-----	6.17	.0024	.0215	2:00-----	1.26	.0005	.0008
:30-----	11.6	.0045	.0733	9:00-----	3.44	.0013	.0121	:50-----	5.56	.0021	.0223	3:00-----	1.33	.0005	.0013
:50-----	11.9	.0046	.0748	11:00-----	3.31	.0013	.0147	10:00-----	5.18	.0020	.0226	6:00-----	1.26	.0005	.0028
11:00-----	12.5	.0048	.0756	12:00-----	3.18	.0012	.0159	:30-----	4.48	.0017	.0235	8:20-----	1.21	.0005	.0040
:10-----	13.2	.0051	.0764					:40-----	3.86	.0015	.0246	10:00-----	1.15	.0004	.0048
:20-----	14.2	.0055	.0773	p. m.				12:00-----	3.31	.0013	.0258				
:30-----	16.0	.0062	.0783	2:20-----	2.94	.0011	.0185					p. m.			
:40-----	18.7	.0072	.0794	5:00-----	2.72	.0010	.0212	July 11				12:40-----	1.10	.0004	.0059
:50-----	21.7	.0084	.0807	7:00-----	2.61	.0010	.0223	a. m.				3:00-----	1.04	.0004	.0068
:55-----	24.4	.0094	.0814	8:00-----	2.61	.0010	.0242	1:00-----	3.06	.0012	.0012	5:00-----	.95	.0004	.0076
12:00-----	27.7	.0107	.0822	10:00-----	2.72	.0010	.0262	3:00-----	2.83	.0011	.0034	6:20-----	.90	.0003	.0080
				12:00-----	2.83	.0011	.0284	5:00-----	2.61	.0010	.0056	8:00-----	.86	.0003	.0085
July 1								6:40-----	2.40	.0009	.0073	12:00-----	.86	.0003	.0097
a. m.				July 7				9:00-----	2.20	.0008	.0094	July 17			
12:10-----	33.0	.0127	.0021	a. m.				11:20-----	2.20	.0008	.0113	a. m.			
:20-----	38.9	.0150	.0044	5:00-----	2.94	.0011	.0055	12:00-----	2.01	.0008	.0118	3:00-----	.86	.0003	.0009
:30-----	44.0	.0169	.0071	10:00-----	2.94	.0011	.0110	p. m.				5:00-----	.90	.0003	.0015
:35-----	46.1	.0178	.0086					1:40-----	2.01	.0008	.0131	8:00-----	.95	.0004	.0027
:40-----	47.5	.0183	.0101	p. m.				3:00-----	2.20	.0008	.0142	p. m.			
:52-----	49.6	.0191	.0138	12:20-----	2.72	.0010	.0133	4:40-----	2.01	.0008	.0155	1:00-----	.95	.0004	.0047
1:04-----	51.0	.0196	.0177	2:20-----	2.50	.0010	.0153	6:00-----	2.01	.0008	.0166	2:20-----	.90	.0003	.0051
:16-----	51.0	.0196	.0216	4:20-----	2.30	.0009	.0173	:50-----	1.85	.0007	.0172	4:00-----	.86	.0003	.0056
:46-----	47.5	.0183	.0310	6:00-----	2.20	.0008	.0188	7:20-----	1.76	.0007	.0176	5:40-----	.81	.0003	.0061
2:01-----	46.1	.0178	.0305	10:40-----	2.30	.0009	.0225	:40-----	1.85	.0007	.0178	7:40-----	.77	.0003	.0067
:10-----	45.4	.0175	.0331	12:00-----	2.30	.0009	.0237	8:00-----	1.93	.0007	.0180	10:00-----	.74	.0003	.0075
:55-----	40.1	.0155	.0455	July 8				10:20-----	1.93	.0007	.0196	12:00-----	.74	.0003	.0081
3:20-----	38.9	.0150	.0519	a. m.				:40-----	2.01	.0008	.0198				
:50-----	35.3	.0136	.0591	3:00-----	2.40	.0009	.0027	12:00-----	2.01	.0008	.0209	July 18			
4:20-----	32.4	.0125	.0656	6:00-----	2.50	.0010	.0054	July 12				a. m.			
:50-----	29.8	.0115	.0715	10:20-----	2.50	.0010	.0097	a. m.				2:00-----	.74	.0003	.0006
5:20-----	27.7	.0107	.0771	12:00-----	2.40	.0009	.0114	4:00-----	2.10	.0008	.0032	5:00-----	.77	.0003	.0015
6:20-----	24.9	.0096	.0873	p. m.				9:00-----	2.20	.0008	.0072	8:00-----	.81	.0003	.0024
7:20-----	22.5	.0087	.0965	2:40-----	2.20	.0008	.0135	10:30-----	2.10	.0008	.0084	11:00-----	.86	.0003	.0033
9:00-----	20.4	.0079	.1103	4:40-----	2.01	.0008	.0151	11:20-----	2.01	.0008	.0091				
10:00-----	19.1	.0074	.1179	5:40-----	1.93	.0007	.0159	12:00-----	2.01	.0008	.0096	p. m.			
12:00-----	17.2	.0066	.1319	7:40-----	1.85	.0007	.0173	p. m.				2:00-----	.86	.0003	.0042
				12:00-----	1.85	.0007	.0203	2:20-----	1.85	.0007	.0115	3:40-----	.81	.0003	.0047
p. m.				July 9				4:40-----	1.68	.0006	.0129	5:00-----	.77	.0003	.0051
2:20-----	14.9	.0058	.1464	a. m.				7:00-----	1.60	.0006	.0143	6:40-----	.74	.0003	.0056
4:20-----	13.5	.0052	.1574	2:00-----	1.93	.0007	.0014	10:00-----	1.53	.0006	.0161	8:00-----	.70	.0003	.0060
8:00-----	12.2	.0047	.1757	7:00-----	2.01	.0008	.0054	12:00-----	1.53	.0006	.0173	10:00-----	.67	.0003	.0066
12:00-----	11.6	.0045	.1941	10:00-----	2.01	.0008	.0078	July 13				12:00-----	.67	.0003	.0072
				12:00-----	1.93	.0007	.0094	a. m.				July 19			
July 2								10:00-----	1.53	.0006	.0060	a. m.			
a. m.				p. m.				12:00-----	1.46	.0006	.0072	4:00-----	.67	.0003	.0012
10:00-----	10.4	.0040	.0420	2:00-----	1.76	.0007	.0108	p. m.				7:00-----	.70	.0003	.0021
				4:40-----	1.53	.0006	.0127	2:20-----	1.33	.0005	.0086	11:00-----	.74	.0003	.0033
p. m.				7:00-----	1.40	.0005	.0141	4:40-----	1.21	.0005	.0098	p. m.			
2:00-----	9.33	.0036	.0572	8:00-----	1.46	.0006	.0147	6:00-----	1.15	.0004	.0103	2:00-----	.74	.0003	.0042
6:00-----	8.28	.0032	.0708	10:00-----	1.40	.0005	.0157	12:00-----	1.15	.0004	.0127	4:00-----	.70	.0003	.0048
12:00-----	8.03	.0031	.0900	12:00-----	1.46	.0006	.0169					5:40-----	.67	.0003	.0053
July 3				July 10				July 14				8:20-----	.60	.0002	.0061
a. m.				a. m.				a. m.				9:40-----	.57	.0002	.0064
6:00-----	7.78	.0030	.0186	1:40-----	1.53	.0006	.0010	1:40-----	1.21	.0005	.0008	12:00-----	.57	.0002	.0069
7:00-----	7.78	.0030	.0216	4:00-----	1.60	.0006	.0024	4:00-----	1.26	.0005	.0020	July 20			
9:00-----	7.54	.0029	.0274	6:00-----	1.68	.0006	.0036	12:00-----	1.26	.0005	.0060	a. m.			
12:00-----	6.84	.0026	.0355	11:00-----	1.68	.0006	.0066					8:00-----	.57	.0002	.0016
				p. m.				p. m.				10:00-----	.60	.0002	.0020
p. m.				1:00-----	1.53	.0006	.0078	2:20-----	1.15	.0004	.0069				
2:20-----	6.39	.0025	.0416	3:00-----	1.40	.0005	.0090	5:00-----	1.04	.0004	.0080	p. m.			
5:40-----	5.96	.0023	.0496	:15-----	1.40	.0005	.0094	7:20-----	.99	.0004	.0089	1:00-----	.63	.0002	.0026
7:00-----	5.76	.0022	.0527	:20-----	1.53	.0006	.0096	9:00-----	.95	.0004	.0096	4:00-----	.60	.0002	.0032
9:00-----	5.76	.0022	.0571	:40-----	1.53	.0006	.0096	12:00-----	.95	.0004	.0108	6:40-----	.57	.0002	.0037
12:00-----	5.96	.0023	.0640	4:00-----	1.68	.0006	.0098					8:40-----	.55	.0002	.0041
July 4				:15-----	1.76	.0007	.0100	July 15				10:20-----	.52	.0002	.0044
a. m.				:30-----	2.01	.0008	.0102	a. m.				12:00-----	.52	.0002	.0047
4:00-----	5.96	.0023	.0092	:40-----	2.20	.0008	.0103	1:00-----	.99	.0004	.0004	July 21			
7:00-----	5.76	.0022	.0158	5:10-----	2.20	.0008	.0107	3:00-----	1.04	.0004	.0012	a. m.			
11:00-----	5.56	.0021	.0246	:20-----	2.61	.0010	.0109	5:00-----	1.10	.0004	.0020	3:00-----	.50	.0002	.0006
				:30-----	2.83	.0011	.0111	10:00-----	1.15	.0004	.0040	7:00-----	.50	.0002	.0014
p. m.				:50-----	3.06	.0012	.0115					10:00-----	.52	.0002	.0020
1:20-----	5.18	.0020	.0295	6:10-----	3.31	.0013	.0119	p. m.							
3:20-----	4.82	.0019	.0333	:30-----	3.86	.0015	.0124	12:40-----	1.10	.0004	.0051	p. m.			
6:40-----	4.48	.0017	.0393	:40-----	4.48	.0017	.0127	3:00-----	1.04	.0004	.0060	6:00-----	.52	.0002	.0036
12:00-----	4.48	.0017	.0484	:45-----	5.18	.0020	.0128	5:00-----	.95	.0004	.0068	8:00-----	.50	.0002	.0040
July 5				:55-----	5.96	.0023	.0132								
a. m.				7:00-----	6.84	.0026	.0134								
7:00-----	4.48	.0017	.0119												
10:00-----	4.32	.0017	.0170												



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time			Instantaneous rate of run-off	Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off	Accumulated run-off by days
July 21					July 23				July 26		
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
10:00-----	0.47	0.0002	0.0044	1:17-----	11.0	0.0042		8:44-----	121	0.0467	0.0850
12:00-----	.47	.0002	.0048	:18-----	14.2	.0055		:46-----	115	.0444	.0865
July 22				:20-----	17.9	.0069	0.0091	:48-----	109	.0421	.0879
<i>a. m.</i>				:22-----	20.4	.0079	.0093	:50-----	103	.0398	.0892
3:00-----	.45	.0002	.0006	:24-----	23.9	.0092	.0096	:52-----	96.8	.0373	.0905
<i>p. m.</i>				:28-----	26.7	.0103	.0102	:56-----	88.0	.0339	.0929
3:20-----	.45	.0002	.0031	:32-----	28.7	.0111	.0109	9:00-----	82.0	.0316	.0951
:30-----	.52	.0002		:34-----	31.9	.0123	.0113	:02-----	77.0	.0297	.0961
:32-----	.57	.0002		:36-----	37.7	.0146	.0117	:04-----	72.4	.0279	.0970
:36-----	.70	.0003		:38-----	44.0	.0169	.0122	:06-----	68.7	.0265	.0979
38-----	.86	.0003		:40-----	51.0	.0196	.0128	:08-----	65.3	.0252	.0988
:40-----	1.15	.0004		:45-----	57.1	.0220	.0145	:10-----	61.1	.0235	.0996
:44-----	1.40	.0005		:50-----	55.6	.0214	.0163	:12-----	57.1	.0220	.1004
:52-----	1.40	.0005		:56-----	51.0	.0196	.0184	:14-----	54.0	.0208	.1011
4:10-----	1.68	.0006	.0033	2:00-----	47.5	.0183	.0197	:16-----	51.0	.0196	.1018
:30-----	2.01	.0008	.0035	:04-----	45.4	.0175	.0209	:20-----	46.8	.0180	.1031
:45-----	2.40	.0009	.0037	:08-----	45.4	.0175	.0221	:24-----	44.0	.0169	.1043
:48-----	2.83	.0011		:12-----	48.2	.0186	.0233	:28-----	40.1	.0155	.1054
:52-----	3.06	.0012		:20-----	51.0	.0196	.0258	:32-----	37.7	.0146	.1064
:56-----	3.58	.0014		:26-----	51.0	.0196	.0278	:36-----	35.3	.0136	.1073
5:04-----	3.86	.0015	.0039	:35-----	48.2	.0186	.0307	:40-----	33.0	.0127	.1082
:08-----	4.48	.0017	.0040	:39-----	45.4	.0175	.0319	:48-----	30.3	.0117	.1098
:10-----	5.18	.0020		:42-----	42.7	.0164	.0328	:52-----	28.7	.0111	.1106
:11-----	5.96	.0023		:46-----	40.1	.0155	.0339	10:00-----	26.3	.0102	.1120
:12-----	7.30	.0028		:48-----	37.7	.0146	.0344	:04-----	24.9	.0096	.1127
:13-----	8.28	.0032		:52-----	35.3	.0136	.0355	:12-----	22.5	.0087	.1140
:14-----	9.87	.0038		:56-----	33.0	.0127	.0362	:20-----	20.8	.0080	.1151
:15-----	11.0	.0042		3:00-----	30.9	.0119	.0370	:28-----	19.1	.0074	.1161
:16-----	12.9	.0050		:04-----	28.7	.0111	.0378	:32-----	17.9	.0069	.1179
:18-----	14.2	.0055	.0042	:08-----	26.7	.0103	.0385	:36-----	16.4	.0063	.1196
:20-----	16.8	.0065	.0044	:12-----	24.9	.0096	.0392	11:13-----	14.9	.0058	.1211
:24-----	17.9	.0069	.0048	:17-----	23.0	.0089	.0400	:25-----	13.5	.0052	.1222
:28-----	19.6	.0076	.0053	:22-----	21.3	.0082	.0407	:40-----	12.2	.0047	.1234
:30-----	21.3	.0082	.0056	:30-----	19.6	.0076	.0418	12:00-----	10.4	.0040	.1249
:32-----	23.0	.0089	.0059	:40-----	17.2	.0066	.0430	July 27			
:34-----	24.9	.0096	.0062	:48-----	15.7	.0061	.0438	<i>a. m.</i>			
:38-----	26.7	.0103	.0069	4:04-----	12.9	.0050	.0453	12:30-----	9.06	.0035	.0019
:40-----	27.7	.0107	.0072	:14-----	11.6	.0045	.0461	1:00-----	8.03	.0031	.0035
:50-----	25.8	.0100	.0059	:22-----	10.4	.0040	.0467	:30-----	7.30	.0028	.0050
:55-----	23.9	.0092	.0057	:36-----	9.33	.0036	.0476	2:00-----	6.61	.0026	.0064
6:00-----	22.1	.0085	.0104	:51-----	8.28	.0032	.0485	:30-----	5.96	.0023	.0076
:06-----	20.4	.0079	.0112	5:00-----	7.78	.0030	.0490	:30-----	5.56	.0021	.0087
:12-----	18.7	.0072	.0120	:05-----	7.78	.0030	.0492	3:00-----	5.00	.0019	.0107
:18-----	17.2	.0066	.0127	:10-----	8.28	.0032	.0495	4:00-----	4.48	.0017	.0125
:20-----	16.4	.0063	.0129	:12-----	7.78	.0030	.0496	5:00-----	3.86	.0015	.0152
:28-----	14.9	.0058	.0137	:24-----	7.30	.0025	.0502	6:40-----	3.31	.0013	.0185
:34-----	13.8	.0053	.0143	:40-----	7.30	.0028	.0509	9:00-----	2.94	.0011	.0215
:40-----	12.9	.0050	.0148	6:00-----	6.39	.0025	.0518	11:30-----			
:46-----	11.6	.0045	.0153	:20-----	5.96	.0023	.0526	<i>p. m.</i>			
7:00-----	10.4	.0040	.0163	:50-----	5.56	.0021	.0537	1:20-----	2.61	.0010	.0235
:12-----	9.60	.0037	.0171	7:10-----	5.18	.0020	.0544	2:40-----	2.40	.0009	.0247
:17-----	9.87	.0038	.0174	:30-----	4.82	.0019	.0551	3:40-----	2.20	.0008	.0256
:20-----	9.87	.0038	.0176	:40-----	4.82	.0019	.0554	5:20-----	2.01	.0008	.0269
:40-----	8.80	.0034	.0188	:46-----	5.96	.0023	.0556	7:20-----	1.85	.0007	.0283
8:00-----	7.78	.0030	.0199	:48-----	7.30	.0028	.0560	8:40-----	1.68	.0006	.0292
:30-----	7.78	.0030	.0214	:50-----	8.80	.0034	.0557	:44-----	2.01	.0008	.0300
:50-----	6.84	.0026	.0223	:52-----	10.4	.0040	.0558	:56-----	2.01	.0008	.0294
9:10-----	5.96	.0023	.0231	:54-----	12.2	.0047	.0559	9:16-----	2.20	.0008	.0297
:40-----	5.00	.0019	.0242	:55-----	13.5	.0052		:28-----	2.30	.0009	.0299
10:00-----	4.48	.0017	.0248	:56-----	14.9	.0058	.0560	:40-----	2.30	.0009	.0301
:20-----	4.01	.0015	.0253	:57-----	16.4	.0063	.0561	10:00-----	2.61	.0010	.0304
:40-----	3.58	.0014	.0258	:58-----	17.9	.0069	.0561	:20-----	2.83	.0011	.0308
11:00-----	3.31	.0013	.0263	:59-----	19.6	.0076	.0562	:35-----	3.31	.0013	.0311
:20-----	3.06	.0012	.0267	8:00-----	21.3	.0082	.0563	:45-----	3.53	.0014	.0313
:50-----	2.83	.0011	.0273	:01-----	23.0	.0089	.0564	11:05-----	3.53	.0014	.0318
12:00-----	2.72	.0010	.0275	:02-----	24.9	.0096	.0566	12:00-----	3.31	.0013	.0331
July 23				:04-----	26.7	.0103	.0569	July 25			
<i>a. m.</i>				:06-----	29.8	.0115	.0573	<i>a. m.</i>			
1:00-----	2.40	.0009	.0009	:08-----	34.2	.0132	.0577	12:30-----	3.06	.0012	.0006
2:40-----	2.01	.0008	.0024	:10-----	38.9	.0150	.0582	1:20-----	2.83	.0011	.0016
5:00-----	1.68	.0006	.0040	:11-----	42.7	.0164	.0585	2:00-----	2.72	.0010	.0023
7:00-----	1.53	.0006	.0052	:12-----	48.2	.0186	.0588	3:00-----	2.61	.0010	.0033
9:00-----	1.40	.0005	.0062	:13-----	52.5	.0202	.0591	4:20-----	2.40	.0009	.0045
10:20-----	1.40	.0005	.0069	:14-----	58.7	.0226	.0595	6:40-----	2.20	.0008	.0066
<i>p. m.</i>				:15-----	63.6	.0245	.0599	10:20-----	2.01	.0008	.0095
12:20-----	1.26	.0005	.0079	:16-----	70.5	.0272	.0603	<i>p. m.</i>			
:24-----	1.60	.0006		:17-----	80.0	.0308	.0608	12:40-----	1.85	.0007	.0111
:28-----	2.01	.0008		:18-----	88.0	.0339	.0614	2:20-----	1.68	.0006	.0123
:32-----	2.61	.0010		:19-----	99.0	.0382	.0620	3:40-----	1.53	.0006	.0130
:40-----	3.31	.0013	.0080	:20-----	109	.0421	.0627	5:20-----	1.40	.0005	.0138
:44-----	4.16	.0016	.0081	:21-----	116	.0448	.0634	7:00-----	1.26	.0005	.0146
:48-----	4.48	.0017	.0082	:22-----	124	.0479	.0642	9:00-----	1.21	.0005	.0156
:52-----	4.48	.0017	.0083	:23-----	132	.0510	.0650	12:00-----	1.21	.0005	.0171
1:00-----	5.00	.0019	.0085	:24-----	141	.0544	.0659	July 28			
:08-----	5.37	.0021	.0088	:25-----	147	.0567	.0668	<i>a. m.</i>			
:12-----	5.96	.0023	.0089	:26-----	153	.0591	.0678	12:20-----	2.83	.0011	.0004
:14-----	6.84	.0026		:27-----	160	.0618	.0688	:40-----	2.61	.0010	.0008
:16-----	8.28	.0032		:28-----	163	.0629	.0699	1:20-----	2.40	.0009	.0014
				:32-----	160	.0618	.0741	2:00-----	2.20	.0008	.0020
				:36-----	150	.0579	.0781	3:40-----	2.01	.0008	.0033
				:38-----	141	.0544	.0800	6:00-----	1.85	.0007	.0049
				:40-----	132	.0510	.0817				



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
July 28					Aug. 3					Aug. 8					Aug. 14				
a. m.					a. m.					a. m.					p. m.				
8:00-----	1.76	0.0007	0.0063		8:00-----	0.45	0.0002	0.0013		2:20-----	0.27	0.0001	0.0002		3:20-----	0.24	0.0001		
10:00-----	1.68	.0006	.0077		11:00-----	.47	.0002	.0019		4:00-----	.25	.0001	.0004		4:44-----	.22	.0001	0.0013	
p. m.					p. m.					8:00-----	.25	.0001	.0008		:52-----	.47	.0002	.0015	
1:00-----	1.53	.0006	.0095		1:40-----	.45	.0002	.0024		11:00-----	.27	.0001	.0011		:53-----	.55	.0002		
2:40-----	1.40	.0005	.0103		3:00-----	.43	.0002	.0027		p. m.					:54-----	.63	.0002		
4:20-----	1.26	.0005	.0111		5:00-----	.38	.0001	.0029		3:40-----	.27	.0001	.0016		:55-----	.74	.0003		
6:00-----	1.15	.0004	.0118		7:40-----	.34	.0001	.0032		4:00-----	.30	.0001			:56-----	.86	.0003		
8:20-----	1.04	.0004	.0127		10:00-----	.32	.0001	.0034		:40-----	.34	.0001			5:00-----	1.26	.0005	.0016	
12:00-----	1.04	.0004	.0142		12:00-----	.30	.0001	.0036		5:40-----	.34	.0001	.0017		:04-----	1.53	.0006		
July 29					Aug. 4					6:40-----	.30	.0001	.0018		:08-----	1.60	.0006		
a. m.					a. m.					8:40-----	.27	.0001	.0020		:12-----	1.60	.0006		
12:20-----	1.04	.0004	.0001		2:20-----	.30	.0001	.0002		10:00-----	.24	.0001	.0021		:40-----	1.26	.0005	.0019	
2:00-----	1.10	.0004	.0008		4:20-----	.32	.0001	.0004		12:00-----	.22	.0001	.0023		6:00-----	1.04	.0004	.0020	
4:00-----	1.15	.0004	.0016		6:00-----	.34	.0001	.0006		Aug. 9					:20-----	.86	.0003	.0021	
12:00-----	1.15	.0004	.0048		8:00-----	.36	.0001	.0008		a. m.					:40-----	.77	.0003	.0022	
p. m.					9:00-----	.38	.0001	.0009		1:00-----	.20	.0001	.0003		7:00-----	.70	.0003	.0023	
2:00-----	1.04	.0004	.0056		11:00-----	.41	.0002	.0013		3:00-----	.19	.0001	.0005		:20-----	.63	.0002		
4:00-----	.95	.0004	.0064		p. m.					7:00-----	.19	.0001	.0009		:40-----	.57	.0002		
6:00-----	.86	.0003	.0070		1:40-----	.41	.0002	.0018		9:00-----	.20	.0001	.0011		8:00-----	.52	.0002		
8:20-----	.86	.0003	.0077		2:40-----	.38	.0001	.0019		11:00-----	.22	.0001	.0013		:20-----	.47	.0002		
9:00-----	.81	.0003	.0079		3:20-----	.38	.0001			p. m.					9:00-----	.43	.0002	.0024	
12:00-----	.86	.0003	.0088		5:40-----	.34	.0001	.0021		4:00-----	.24	.0001	.0018		:40-----	.38	.0001	.0025	
July 30					10:00-----	.32	.0001	.0025		5:40-----	.22	.0001	.0020		10:40-----	.34	.0001	.0026	
a. m.					12:00-----	.30	.0001	.0027		7:20-----	.22	.0001	.0022		11:40-----	.30	.0001	.0027	
1:00-----	.86	.0003	.0003		Aug. 5					9:00-----	.20	.0001	.0024		12:00-----	.30	.0001	.0027	
3:00-----	.90	.0003	.0009		a. m.					10:00-----	.20	.0001	.0025		Aug. 15				
6:00-----	.95	.0004	.0021		2:20-----	.30	.0001	.0002		12:00-----	.19	.0001	.0027		a. m.				
12:00-----	.95	.0004	.0045		4:20-----	.32	.0001	.0004		Aug. 10					1:00-----	.27	.0001	.0001	
p. m.					6:00-----	.34	.0001	.0006		a. m.					2:40-----	.25	.0001	.0003	
2:40-----	.86	.0003	.0053		8:00-----	.36	.0001	.0008		8:00-----	.19	.0001	.0008		5:00-----	.24	.0001	.0005	
4:20-----	.77	.0003	.0058		10:00-----	.38	.0001	.0010		10:00-----	.20	.0001	.0010		7:00-----	.22	.0001	.0007	
6:40-----	.70	.0003	.0065		p. m.					p. m.					10:00-----	.20	.0001	.0010	
9:00-----	.63	.0002	.0072		12:20-----	.38	.0001	.0012		2:00-----	.20	.0001	.0014		12:00-----	.20	.0001	.0012	
12:00-----	.63	.0002	.0078		3:40-----	.34	.0001	.0015		4:00-----	.19	.0001	.0016		p. m.				
July 31					6:00-----	.30	.0001	.0017		6:00-----	.18	.0001	.0018		2:00-----	.19	.0001	.0014	
a. m.					7:40-----	.30	.0001	.0019		8:20-----	.18	.0001	.0020		4:00-----	.15	.0001	.0016	
3:00-----	.70	.0003	.0006		11:00-----	.27	.0001	.0022		10:00-----	.16	.0001	.0022		5:40-----	.16	.0001	.0018	
5:00-----	.74	.0003	.0012		12:00-----	.27	.0001	.0023		12:00-----	.16	.0001	.0024		7:00-----	.15	.0001	.0019	
7:00-----	.77	.0003	.0018		Aug. 6					Aug. 11					9:20-----	.14	.0001	.0021	
p. m.					a. m.					a. m.					11:00-----	.13	.0001	.0023	
2:00-----	.77	.0003	.0039		6:20-----	.27	.0001	.0006		4:20-----	.15	.0001	.0004		12:00-----	.13	.0001	.0024	
4:00-----	.70	.0003	.0045		8:20-----	.30	.0001	.0008		10:20-----	.15	.0001	.0010		Aug. 16				
6:00-----	.63	.0002	.0051		9:20-----	.30	.0001	.0009		12:00-----	.16	.0001	.0012		a. m.				
8:40-----	.57	.0002	.0056		:20-----	.36	.0001			p. m.					7:00-----	.12	T	T	
12:00-----	.57	.0002	.0063		11:20-----	.38	.0001	.0010		2:20-----	.16	.0001	.0014		10:00-----	.13	.0001	.0003	
Aug. 1					p. m.					4:00-----	.15	.0001	.0015		p. m.				
a. m.					12:20-----	.43	.0002	.0012		5:20-----	.14	.0001	.0016		2:00-----	.13	.0001	.0007	
2:40-----	.57	.0002	.0005		1:00-----	.45	.0002	.0013		6:40-----	.13	.0001	.0017		6:00-----	.12	T		
5:40-----	.63	.0002	.0011		2:12-----	.47	.0002	.0015		12:00-----	.13	.0001	.0022		8:20-----	.11	T		
p. m.					:13-----	.47	.0002	.0016		Aug. 12					11:00-----	.11	T		
12:40-----	.63	.0002	.0025		:20-----	.52	.0002			p. m.					12:00-----	.11	T	.0007	
3:00-----	.57	.0002	.0030		:40-----	.55	.0002			1:20-----	.13	.0001	.0013		Aug. 17				
4:40-----	.52	.0002	.0033		:52-----	.57	.0002			2:00-----	.14	.0001			a. m.				
6:40-----	.47	.0002	.0037		4:20-----	.57	.0002			4:00-----	.13	.0001	.0015		5:00-----	.11	T	T	
7:40-----	.47	.0002	.0039		:40-----	.55	.0002	.0017		5:20-----	.14	.0001	.0016		10:00-----	.13	.0001	.0005	
10:00-----	.45	.0002	.0044		5:20-----	.52	.0002	.0020		6:40-----	.13	.0001	.0017		p. m.				
12:00-----	.43	.0002	.0048		:40-----	.52	.0002	.0024		12:00-----	.10	T	.0015		3:00-----	.13	.0001	.0012	
Aug. 2					7:20-----	.52	.0002	.0020		Aug. 13					5:00-----	.10	T		
a. m.					9:20-----	.47	.0002	.0027		p. m.					8:00-----	.10	T		
1:00-----	.43	.0002	.0002		11:00-----	.45	.0002	.0027		1:00-----	.11	T			10:00-----	.10	T	T	
2:00-----	.45	.0002	.0004		12:00-----	.45	.0002	.0029		12:00-----	.10	T	.0010		12:00-----	.10	T		
5:00-----	.47	.0002	.0010		Aug. 7					Aug. 14					p. m.				
7:20-----	.52	.0002	.0015		a. m.					1:00-----	.10	T	T		:50-----	.10	T		
p. m.					1:00-----	.43	.0002	.0002		2:15-----	.16	.0001			:52-----	.11	T		
1:00-----	.52	.0002	.0026		2:40-----	.41	.0002	.0005		3:00-----	.16	.0001			:56-----	.13	.0001		
3:00-----	.50	.0002	.0030		3:40-----	.38	.0001	.0006		4:00-----	.18	.0001	.0001		6:00-----	.18	.0001	.0001	
:40-----	.47	.0002	.0031		4:20-----	.38	.0001			5:00-----	.20	.0001	.0002		:04-----	.20	.0001		
5:20-----	.43	.0002	.0034		5:40-----	.43	.0002	.0009		6:12-----	.30	.0001	.0003		:08-----	.24	.0001		
6:20-----	.43	.0002	.0036		10:00-----	.43	.0002	.0018		7:00-----	.43	.0002	.0004		:12-----	.30	.0001		
8:20-----	.38	.0001	.0038		p. m.					:28-----	.57	.0002	.0005		:16-----	.38	.0001		
10:20-----	.38	.0001	.0040		1:00-----	.41	.0002	.0024		:50-----	.47	.0002	.0006		:20-----	.47	.0002		
12:00-----	.36	.0001	.0042		2:00-----	.38	.0001	.0025		9:20-----	.43	.0002	.0007		:24-----	.57	.0003		
Aug. 3					3:20-----	.38	.0001	.0026		10:50-----	.38	.0001	.0008		:28-----	.70	.0003		
a. m.					:40-----	.43	.0002	.0028		:40-----	.34	.0001			:40-----	.86	.0003		
2:00-----	.36	.0001	.0002		5:40-----	.38	.0001	.0029		11:40-----	.30	.0001	.0009		:48-----	1.04	.0004		
3:40-----	.38	.0001	.0004		6:40-----	.34	.0001	.0030		p. m.					:52-----	1.26	.0005		
6:40-----	.43	.0002	.0010		7:00-----	.30	.0001			12:40-----	.27	.0001	.0010		7:00-----	1.68	.0006	.0001	
					9:00-----	.27	.0001	.0032		1:40-----	.24	.0001	.0011		:12-----	2.01	.0008		
					12:00-----	.27	.0001	.0035		2:20-----	.25	.0001	.0012		:13-----	2.30	.0009		



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Aug. 18				Aug. 22				Aug. 27				Aug. 27			
p. m.				a. m.				a. m.				a. m.			
7:14	2.50	0.0010		9:00	0.14	0.0001	0.0009	12:53	0.57	0.0002		11:24	121	0.0467	0.0608
:15	2.83	.0011		12:00	.15	.0001	.0012	:56	.70	.0003		:26	116	.0448	.0623
:16	3.06	.0012						1:08	.86	.0003		:28	111	.0428	.0637
:17	3.86	.0015		p. m.				:14	.86	.0003		:30	105	.0405	.0651
:18	4.82	.0019		2:00	.14	.0001	.0014	:20	.95	.0004		:32	99.0	.0382	.0662
:19	5.96	.0023		4:20	.13	.0001	.0016	:28	1.15	.0004		:34	94.6	.0365	.0674
:20	7.30	.0028		9:00	.12	T		:32	1.40	.0005		:36	90.2	.0348	.0686
:21	8.28	.0032		12:00	.12	T	.0016	:36	1.68	.0006		:38	86.0	.0332	.0697
:22	9.33	.0036						:40	1.85	.0007		:40	82.0	.0316	.0708
:23	10.4	.0040		Aug. 23				:44	2.01	.0008		:42	78.0	.0301	.0718
:24	11.6	.0045		a. m.				:56	2.01	.0008	0.0003	:44	74.2	.0286	.0728
:25	12.2	.0047		1:00	.13	.0001	.0001	2:00	2.40	.0009		:46	71.4	.0275	.0737
:26	12.9	.0050		3:40	.13	.0001	.0004	:04	3.31	.0013		:48	68.7	.0265	.0746
:27	13.5	.0052		5:40	.15	.0001	.0005	:05	3.72	.0014		:50	66.1	.0255	.0755
:28	14.2	.0055		7:00	.18	.0001	.0007	:06	4.16	.0016		:52	63.6	.0245	.0763
:32	15.7	.0061	.0005	9:00	.19	.0001	.0009	:07	4.65	.0018		:54	61.1	.0235	.0771
:34	17.2	.0066	.0007					:08	5.18	.0020		:56	58.7	.0226	.0779
:36	17.9	.0069	.0009					:09	5.76	.0022		:58	56.3	.0217	.0786
:38	18.7	.0072	.0011					:10	6.39	.0025		12:00	54.0	.0208	.0793
:44	20.0	.0077	.0018					:11	7.07	.0027					
:52	18.7	.0072	.0028	p. m.				:12	7.78	.0030		p. m.			
8:00	17.2	.0066	.0037	3:00	.19	.0001	.0015	:16	8.80	.0034	.0005	12:02	51.7	.0199	.0800
:12	15.7	.0061	.0050	4:40	.18	.0001	.0017	:26	9.87	.0038	.0011	:04	49.6	.0191	.0806
:20	14.2	.0055	.0058	6:20	.16	.0001	.0019	:30	11.0	.0042	.0014	:08	46.8	.0180	.0818
:24	13.2	.0051	.0062	8:00	.15	.0001	.0021	:34	12.2	.0047	.0017	:12	44.0	.0169	.0830
:28	12.2	.0047	.0065	12:00	.15	.0001	.0025	:38	14.2	.0055	.0020	:16	40.1	.0155	.0841
:36	11.0	.0042	.0071	Aug. 24				:44	16.4	.0063	.0026	:20	37.7	.0146	.0851
:44	9.87	.0038	.0076	a. m.				:52	17.2	.0066	.0035	:24	35.3	.0136	.0860
:56	9.06	.0035	.0083	1:00	.14	.0001	.0001	3:00	16.4	.0063	.0044	:28	33.0	.0127	.0869
9:00	9.06	.0035	.0085	6:00	.13	.0001	.0006	:12	15.7	.0061	.0056	:32	30.9	.0119	.0877
:12	9.87	.0038	.0092					:20	14.2	.0055	.0063	:36	29.3	.0113	.0885
:20	10.7	.0041	.0097					:30	12.9	.0050	.0072	:40	27.7	.0107	.0892
:32	9.87	.0038	.0105	p. m.				:40	11.6	.0045	.0080	:48	25.8	.0100	.0906
:44	8.80	.0034	.0112	1:00	.13	.0001	.0013	4:08	10.4	.0040	.0086	1:00	23.5	.0091	.0925
:56	7.78	.0030	.0118	3:20	.12	T		:56	9.33	.0036	.0091	:12	21.3	.0082	.0942
10:08	6.84	.0026	.0124	6:20	.11	T		:58	8.28	.0032	.0098	:20	19.6	.0076	.0953
:20	5.96	.0023	.0129	10:00	.10	T		:20	7.30	.0028	.0104	:28	17.9	.0069	.0963
:40	5.18	.0020	.0136	12:00	.10	T	.0013	:40	6.39	.0025	.0113	:40	16.4	.0063	.0976
:55	4.48	.0017	.0141	Aug. 25				5:00	5.56	.0021	.0121	:48	14.9	.0058	.0984
11:15	3.86	.0015	.0146	a. m.				:20	4.82	.0019	.0128	2:00	13.5	.0052	.0995
:40	3.06	.0012	.0152	9:20	.10	T	T	6:00	4.16	.0016	.0140	:12	12.2	.0047	.1005
12:00	2.83	.0011	.0156	10:00	.10	T		:20	3.58	.0014	.0145	:24	11.0	.0042	.1014
Aug. 19								:40	3.31	.0013	.0149	:44	9.87	.0038	.1027
a. m.								7:00	2.94	.0011	.0153	3:14	8.80	.0034	.1045
12:15	2.61	.0010	.0003					:20	2.61	.0010	.0156	:44	8.28	.0032	.1062
:30	2.40	.0009	.0005	p. m.				:40	2.40	.0009	.0159	4:14	7.78	.0030	.1078
:50	2.20	.0008	.0008	1:00	.11	T		8:00	2.20	.0008	.0162	:40	7.30	.0028	.1091
1:10	2.01	.0008	.0011	3:00	.12	T		:20	2.01	.0008	.0165	5:00	6.84	.0026	.1100
:30	1.85	.0007	.0013	5:00	.13	.0001	.0002	:40	2.01	.0008	.0168	:20	6.39	.0025	.1109
:56	1.68	.0006	.0016	8:00	.15	.0001	.0005	9:08	1.85	.0007	.0172	:40	6.17	.0024	.1117
2:20	1.53	.0006	.0018	10:00	.16	.0001	.0007	:24	1.85	.0007	.0174	6:20	6.39	.0025	.1134
:50	1.40	.0005	.0021	:20	.18	.0001		:44	2.01	.0008	.0176	7:00	6.84	.0026	.1151
3:20	1.26	.0005	.0024	11:08	.18	.0001		:54	2.20	.0008	.0177	:20	7.30	.0028	.1160
4:00	1.15	.0004	.0027	:20	.20	.0001		10:00	2.61	.0010	.0178	:48	8.28	.0032	.1174
:40	1.04	.0004	.0030	12:00	.24	.0001	.0007	:04	3.31	.0013		8:00	8.80	.0034	.1181
5:40	.95	.0004	.0034	Aug. 26				:05	4.01	.0015		:16	9.87	.0038	.1191
6:40	.86	.0003	.0037	a. m.				:06	4.82	.0019		:24	11.0	.0042	.1196
7:40	.77	.0003	.0040	12:20	.27	.0001		:07	5.76	.0022		:36	13.5	.0052	.1205
9:00	.70	.0003	.0044	:40	.27	.0001		:09	6.84	.0026		:42	14.9	.0058	.1211
10:40	.63	.0002	.0049	:30	.30	.0001	.0002	:10	8.80	.0034		:48	16.4	.0063	.1217
12:00	.57	.0002	.0052	2:40	.30	.0001		:11	9.87	.0038		:52	18.7	.0072	.1221
				3:20	.34	.0001		:12	10.7	.0041		:56	20.4	.0079	.1226
p. m.				4:00	.38	.0001		:14	11.0	.0042	.0179	9:00	23.0	.0089	.1232
1:00	.57	.0002	.0054	:12	.43	.0002		:16	11.6	.0045	.0180	:02	24.9	.0096	.1235
:40	.52	.0002	.0055	:20	.47	.0002		:18	12.9	.0050	.0182	:04	26.7	.0103	.1238
3:00	.47	.0002	.0058	:24	.52	.0002		:20	14.2	.0055	.0184	:05	28.2	.0109	.1240
4:40	.43	.0002	.0061	:28	.57	.0002		:22	15.7	.0061	.0186	:06	29.8	.0115	.1242
6:40	.38	.0001	.0063	:36	.63	.0002		:24	17.2	.0066	.0188	:07	31.4	.0121	.1244
9:00	.34	.0001	.0065	:40	.70	.0003		:26	19.6	.0076	.0190	:08	33.0	.0127	.1246
12:00	.32	.0001	.0067	:40	.70	.0003		:28	22.1	.0085	.0193	:09	36.5	.0141	.1248
Aug. 20				5:00	.74	.0003		:30	24.9	.0096	.0196	:10	40.1	.0155	.1251
a. m.				:20	.70	.0003		:32	27.7	.0107	.0199	:11	44.0	.0169	.1254
1:00	.30	.0001	.0001	6:00	.63	.0002	.0003	:33	35.9	.0139	.0201	:12	48.2	.0186	.1257
2:40	.30	.0001	.0003	:20	.57	.0002		:34	45.4	.0175	.0204	:13	51.0	.0196	.1260
6:00	.29	.0001	.0006	7:00	.57	.0002	.0004	:35	56.3	.0217	.0207	:14	54.0	.0208	.1263
12:00	.27	.0001	.0012	:40	.55	.0002	.0005	:36	68.7	.0265	.0211	:15	57.1	.0220	.1267
				10:00	.55	.0002	.0010	:37	73.3	.0283	.0216	:16	60.3	.0232	.1271
p. m.				11:00	.52	.0002	.0012	:38	78.0	.0301	.0221	:17	63.6	.0245	.1275
2:00	.25	.0001	.0014					:39	83.0	.0320	.0226	:18	67.0	.0258	.1279
4:00	.24	.0001	.0016	p. m.				:40	88.0	.0339	.0232	:20	72.4	.0279	.1288
6:00	.22	.0001	.0018	12:40	.47	.0002	.0015	:41	92.4	.0356	.0238	:22	77.0	.0297	.1298
7:00	.20	.0001	.0019	2:40	.43	.0002	.0019	:42	96.8	.0373	.0244	:24	82.0	.0316	.1308
8:00	.19	.0001	.0020	4:40	.38	.0001	.0021	:43	101	.0390	.0250	:28	88.0	.0339	.1330
12:00	.18	.0001	.0024	6:00	.36	.0001	.0022	:44	106	.0409	.0257	:32	92.4	.0356	.1353
Aug. 21				9:00	.36	.0001	.0025	:46	111	.0428	.0271	:40	94.6	.0365	.1401
p. m.				10:20	.34	.0001	.0026	:48	116	.0448	.0285	:52	92.4	.0356	.1473
4:00	.18	.0001	.0016	12:00	.34	.0001	.0028	:50	124	.0479	.0300	:56	88.0	.0339	.1496
6:00	.16	.0001	.0018	Aug. 27				:52	132	.0510	.0316	10:00	84.0	.0324	.1518
7:40	.15	.0001	.0020	a. m.				:56	144	.0556	.0352	:04	80.0	.0308	.1539
10:00	.14	.0001	.0022	12:45	.34	.0001	.0001	11:00	147	.0567	.0390	:0			



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time		Instantaneous rate of run-off		Accumulated run-off by days	Date and time		Instantaneous rate of run-off		Accumulated run-off by days	Date and time		Instantaneous rate of run-off		Accumulated run-off by days	
Aug. 27		Second-feet		Inches	Aug. 29		Second-feet		Inches	Aug. 31		Second-feet		Inches	
<i>p. m.</i>		<i>per hour</i>			<i>p. m.</i>		<i>per hour</i>			<i>a. m.</i>		<i>per hour</i>			
10:28	55.6	0.0214	0.1643		9:40	14.2	0.0055	0.0307		3:00	14.5	0.0056	0.0190		
:32	52.5	.0202	.1657		10:20	12.2	.0047	.0341		4:00	13.8	.0053	.0244		
:38	49.6	.0191	.1677		:40	11.6	.0045	.0356		5:00	12.9	.0050	.0295		
:46	46.8	.0180	.1702		11:20	9.87	.0038	.0383		6:00	12.2	.0047	.0343		
:54	44.0	.0169	.1725		:40	9.33	.0036	.0395		7:00	11.6	.0045	.0389		
11:00	41.4	.0160	.1742		12:00	8.80	.0034	.0407		8:00	10.7	.0041	.0432		
:08	38.9	.0150	.1763		Aug. 30					10:00	9.87	.0038	.0510		
:20	35.3	.0136	.1792		<i>a. m.</i>					12:00	8.80	.0034	.0582		
:28	33.0	.0127	.1809		12:20	8.28	.0032	.0011		<i>Sept. 7</i>					
:36	29.8	.0115	.1825		:40	7.78	.0030	.0021		<i>a. m.</i>					
:44	26.7	.0103	.1839		1:40	6.84	.0026	.0049		<i>Second-feet</i>					
:52	23.9	.0092	.1852		2:40	6.39	.0025	.0075		<i>per hour</i>					
12:00	22.1	.0085	.1864		4:00	6.17	.0024	.0107		<i>Inches</i>					
Aug. 28					6:20	6.17	.0024	.0163							
<i>a. m.</i>					:40	6.84	.0026	.0171							
12:12	20.4	.0079	.0016		7:00	8.28	.0032	.0181							
:20	18.7	.0072	.0026		:08	9.33	.0036	.0186							
:35	17.2	.0066	.0043		:12	10.4	.0040	.0189							
:50	15.7	.0061	.0059		:16	11.6	.0045	.0192							
1:08	14.2	.0055	.0076		:20	13.5	.0052	.0195							
:28	12.9	.0050	.0094		:24	15.7	.0061	.0199							
:48	11.6	.0045	.0110		:28	17.9	.0069	.0203							
2:15	10.4	.0040	.0129		:30	20.4	.0079	.0205							
:40	9.60	.0037	.0145		:32	23.0	.0089	.0208							
3:08	8.80	.0034	.0161		:34	25.8	.0100	.0211							
:28	8.28	.0032	.0172		:36	28.7	.0111	.0214							
4:00	7.54	.0029	.0189		:37	30.9	.0119	.0216							
:40	6.84	.0026	.0207		:38	33.0	.0127	.0218							
5:40	5.96	.0023	.0232		:39	35.3	.0136	.0220							
6:20	5.56	.0021	.0247		:40	37.7	.0146	.0222							
7:20	5.18	.0020	.0267		:42	41.4	.0160	.0227							
8:00	4.82	.0019	.0280		:44	45.4	.0175	.0233							
9:00	4.48	.0017	.0298		:46	50.3	.0194	.0239							
10:00	4.16	.0016	.0314		:48	55.6	.0214	.0246							
11:00	3.86	.0015	.0330		:50	60.3	.0232	.0253							
12:00	3.58	.0014	.0344		:52	65.3	.0252	.0261							
Aug. 29					:54	68.7	.0265	.0270							
<i>a. m.</i>					:56	72.4	.0279	.0279							
1:00	3.31	.0013	.0358		:58	77.0	.0297	.0289							
:20	3.06	.0012	.0370		8:00	82.0	.0316	.0299							
:30	2.83	.0011	.0382		:04	88.0	.0339	.0321							
:40	2.61	.0010	.0395		:08	94.6	.0365	.0345							
5:40	2.40	.0009	.0407		:12	101	.0390	.0370							
7:20	2.20	.0008	.0422		:16	109	.0421	.0397							
9:00	2.10	.0008	.0435		:20	116	.0448	.0426							
11:00	2.01	.0008	.0451		:24	124	.0479	.0457							
12:00	2.01	.0008	.0459		:28	132	.0510	.0490							
Aug. 29					:30	134	.0517	.0507							
<i>a. m.</i>					:42	137	.0529	.0612							
1:40	1.93	.0007	.0012		:50	134	.0517	.0682							
:340	1.85	.0007	.0026		:54	132	.0510	.0716							
6:00	1.76	.0007	.0042		9:00	130	.0502	.0767							
8:00	1.68	.0006	.0054		:08	124	.0479	.0832							
10:00	1.60	.0006	.0066		:16	119	.0459	.0894							
11:40	1.53	.0006	.0076		:20	114	.0440	.0924							
Aug. 29					:28	106	.0409	.0980							
<i>p. m.</i>					:36	99.0	.0382	.1033							
2:00	1.40	.0005	.0090		:40	96.8	.0373	.1058							
:320	1.33	.0005	.0097		:40	90.2	.0348	.1178							
:30	1.46	.0006	.0098		:30	78.0	.0301	.1340							
:40	1.68	.0006	.0098		11:00	69.6	.0268	.1483							
:48	2.01	.0008	.0100		:30	75.2	.0290	.1623							
:52	2.01	.0008	.0100		12:00	84.0	.0324	.1777							
4:04	1.85	.0007	.0100		<i>p. m.</i>										
:20	2.01	.0008	.0102		12:30	80.0	.0308	.1935							
:32	2.01	.0008	.0104		1:00	74.2	.0286	.2084							
:40	2.20	.0008	.0105		:30	67.0	.0258	.2220							
:44	2.40	.0009	.0109		2:00	61.1	.0235	.2344							
:48	2.94	.0011	.0115		:30	54.8	.0211	.2456							
:50	3.44	.0013	.0119		3:00	51.0	.0196	.2558							
:52	4.16	.0016	.0122		:30	48.2	.0186	.2654							
:54	4.82	.0021	.0129		4:00	45.4	.0175	.2745							
:56	5.56	.0029	.0138		:30	42.7	.0164	.2830							
5:04	6.39	.0039	.0148		5:00	40.1	.0155	.2910							
:08	6.39	.0039	.0151		:30	38.3	.0148	.2986							
:20	5.96	.0033	.0155		6:00	35.9	.0139	.3058							
:40	5.18	.0020	.0122		:30	33.6	.0130	.3126							
6:00	5.18	.0020	.0129		7:00	31.9	.0123	.3189							
:24	5.96	.0023	.0138		:30	29.8	.0115	.3249							
:36	6.84	.0026	.0143		8:00	28.2	.0109	.3305							
:46	7.78	.0030	.0148		:30	27.2	.0105	.3359							
:52	8.80	.0034	.0151		9:00	24.9	.0096	.3409							
7:00	10.4	.0040	.0156		:30	23.9	.0092	.3456							
:08	11.6	.0045	.0162		10:00	22.5	.0087	.3501							
:20	12.2	.0047	.0171		11:00	20.0	.0077	.3583							
:40	13.5	.0052	.0187		12:00	17.9	.0069	.3656							
8:00	15.3	.0059	.0206		Aug. 31										
:20	16.4	.0063	.0226		<i>a. m.</i>										
:40	16.4	.0063	.0247		1:00	17.2	.0066	.0068							
6:20	15.7	.0061	.0288		2:00	15.7	.0061	.0131							
Aug. 27					Aug. 29					Aug. 31					
<i>p. m.</i>					<i>p. m.</i>					<i>a. m.</i>					
10:28	55.6	0.0214	0.1643		9:40	14.2	0.0055	0.0307		3:00	14.5	0.0056	0.0190		
:32	52.5	.0202	.1657		10:20	12.2	.0047	.0341		4:00	13.8	.0053	.0244		
:38	49.6	.0191	.1677		:40	11.6	.0045	.0356		5:00	12.9	.0050	.0295		
:46	46.8	.0180	.1702		11:20	9.87	.0038	.0383		6:00	12.2	.0047	.0343		
:54	44.0	.0169	.1725		:40	9.33	.0036	.0395		7:00	11.6	.0045	.0389		
11:00	41.4	.0160	.1742		12:00	8.80	.0034	.0407		8:00	10.7	.0041	.0432		
:08	38.9	.0150	.1763		Aug. 30					10:00	9.87	.0038	.0510		
:20	35.3	.0136	.1792		<i>a. m.</i>					12:00	8.80	.0034	.0582		
:28	33.0	.0127	.1809		12:20	8.28	.0032	.0011		<i>Sept. 7</i>					
:36	29.8	.0115	.1825		:40	7.78	.0030	.0021		<i>a. m.</i>					
:44	26.7	.0103	.1839		1:40	6.84	.0026	.0049		<i>Second-feet</i>					
:52	23.9	.0092	.1852		2:40	6.39	.0025	.0075		<i>per hour</i>					
12:00	22.1	.0085	.1864		4:00	6.17	.0024	.0107		<i>Inches</i>					
Aug. 28					6:20	6.17	.0024	.0163							
<i>a. m.</i>					:40	6.84	.0026	.0171							
12:12	20.4	.0079	.0016		7:00	8.28	.0032	.0181							
:20	18.7	.0072	.0026		:08	9.33	.0036	.0186							
:35	17.2	.0066	.0043		:12	10.4	.0040	.0189							
:50	15.7	.0061	.0059		:16	11.6	.0045	.0192							
1:08	14.2	.0055	.0076		:20	13.5	.0052	.0195							
:28	12.9	.0050	.0094		:24	15.7	.0061	.0199							
:48	11.6	.0045	.0110		:28	17.9	.0069	.0203							
2:15	10.4	.0040	.0129		:30	20.4	.0079	.0205							
:40	9.60	.0037	.0145		:32	23.0	.0089	.0208							
3:08	8.80	.0034	.0161		:34	25.8	.0100	.0211							
:28	8.28	.0032	.0172		:36	28.7	.0111	.0214							
4:00	7.54	.0029	.0189		:37	30.9	.0119	.0216							
:40	6.84	.0026	.0207		:38	33.0	.0127	.0218							
5:40	5.96	.0023	.0232		:39	35.3	.0136	.0220							
6:20	5.56	.0021	.0247		:40	37.7	.0146	.0222							
7:20	5.18	.0020	.0267		:42	41.4	.0160	.0227							
8:00	4.82	.0019	.0280		:44	45.4	.0175	.0233							
9:00	4.48	.0017	.0298		:46	50.3	.0194	.0239							
10:00	4.16	.0016	.0314		:48	55.6	.0214	.0246							
11:00	3.86	.0015	.0330		:50	60.3	.0232	.0253							
12:00	3.58	.0014	.0344		:52	65.									



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Sept. 10	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Sept. 18	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Sept. 24	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Sept. 28	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>			
10:00	0.99	0.0004	0.0151	9:00	0.43	0.0002	0.0042	9:26	5.76	0.0022	0.0031	2:00	0.63	0.0002	0.0028
12:00	.95	.0004	.0159	12:00	.41	.0002	.0048	:28	6.84	.0026		4:00	.60	.0002	.0032
Sept. 11				Sept. 19				:30	7.78	.0030		6:40	.67	.0002	.0037
<i>a. m.</i>				<i>a. m.</i>				:32	8.80	.0034	.0032	10:00	.55	.0002	.0044
12:00	.95	.0004	.0048	7:00	.43	.0002	.0014	:36	9.60	.0037	.0034	12:00	.55	.0002	.0048
<i>p. m.</i>				<i>p. m.</i>				:40	10.4	.0040	.0037	Sept. 29			
2:00	.90	.0003	.0056	12:30	.45	.0002	.0025	:48	11.0	.0042	.0042	<i>p. m.</i>			
4:30	.86	.0003	.0064	5:00	.43	.0002	.0034	:56	11.3	.0044	.0048	2:00	.55	.0002	.0028
7:00	.81	.0003	.0072	7:30	.41	.0002	.0039	10:04	10.4	.0040	.0034	5:00	.52	.0002	.0034
12:00	.81	.0003	.0087	10:00	.38	.0001	.0042	:08	9.87	.0038	.0037	6:40	.52	.0002	.0037
Sept. 12				12:00	.38	.0001	.0044	:16	8.80	.0035	.0032	9:00	.50	.0002	.0042
<i>p. m.</i>				Sept. 20				:28	8.03	.0031	.0029	12:00	.50	.0002	.0048
1:00	.81	.0003	.0039	<i>a. m.</i>				:20	8.54	.0033	.0031	Sept. 30			
3:40	.77	.0003	.0047	5:00	.38	.0001	.0005	:24	8.80	.0034	.0033	<i>a. m.</i>			
7:00	.74	.0003	.0057	9:00	.41	.0002	.0013	:28	9.33	.0036	.0036	11:00	.50	.0002	.0022
10:00	.70	.0003	.0066	12:00	.43	.0002	.0019	:36	10.4	.0040	.0106	<i>p. m.</i>			
12:00	.70	.0003	.0072	<i>p. m.</i>				:40	11.0	.0042	.0109	2:00	.47	.0002	.0028
Sept. 13				2:30	.41	.0002	.0024	:48	12.2	.0047	.0115	7:00	.47	.0002	.0038
<i>a. m.</i>				3:20	.38	.0001	.0026	:56	13.5	.0052	.0122	8:00	.45	.0002	.0040
3:00	.74	.0003	.0009	5:00	.36	.0001	.0028	12:00	14.2	.0055	.0126	12:00	.45	.0002	.0048
9:00	.77	.0003	.0027	8:00	.34	.0001	.0031	Sept. 25				Oct. 1			
<i>p. m.</i>				12:00	.32	.0001	.0035	12:16	13.5	.0052	.0014	<i>a. m.</i>			
1:00	.74	.0003	.0039	Sept. 21				:20	12.9	.0050	.0017	7:00	.47	.0002	.0014
3:00	.70	.0003	.0045	<i>a. m.</i>				:40	12.2	.0047	.0033	<i>p. m.</i>			
5:00	.67	.0003	.0051	4:00	.32	.0001	.0004	:50	11.0	.0042	.0048	3:00	.47	.0002	.0030
7:00	.63	.0002	.0055	9:00	.34	.0001	.0009	:56	9.87	.0038	.0061	7:00	.45	.0002	.0038
8:00	.63	.0002	.0057	11:00	.36	.0001	.0011	2:00	9.33	.0036	.0080	8:40	.43	.0002	.0041
9:30	.60	.0002	.0060	<i>p. m.</i>				:40	10.4	.0040	.0099	12:00	.43	.0002	.0048
12:00	.63	.0002	.0065	1:00	.34	.0001	.0013	:50	12.2	.0047	.0130	Oct. 2			
Sept. 14				2:00	.32	.0001	.0014	:56	14.2	.0055	.0149	<i>a. m.</i>			
<i>a. m.</i>				4:00	.32	.0001	.0016	6:20	15.7	.0061	.0169	3:00	.43	.0002	.0006
2:00	.63	.0002	.0004	6:00	.30	.0001	.0018	:40	15.7	.0061	.0188	7:00	.47	.0002	.0014
7:00	.67	.0003	.0019	8:30	.29	.0001	.0021	:50	14.2	.0055	.0206	<i>p. m.</i>			
<i>p. m.</i>				12:00	.27	.0001	.0025	6:20	12.9	.0050	.0222	2:00	.47	.0002	.0028
1:00	.67	.0003	.0037	Sept. 22				:50	11.6	.0045	.0236	3:40	.45	.0002	.0031
3:00	.63	.0002	.0041	<i>a. m.</i>				:56	10.4	.0040	.0249	6:00	.43	.0002	.0036
5:00	.60	.0002	.0045	5:00	.27	.0001	.0005	7:30	9.33	.0036	.0266	8:00	.41	.0002	.0044
7:00	.57	.0002	.0049	9:00	.29	.0001	.0009	:40	8.03	.0031	.0281	10:00	.41	.0002	.0048
12:00	.57	.0002	.0059	<i>p. m.</i>				:50	6.84	.0026	.0293	12:00	.41	.0002	.0048
Sept. 15				1:00	.30	.0001	.0013	6:20	5.96	.0023	.0307	Oct. 3			
<i>a. m.</i>				6:00	.29	.0001	.0018	7:30	5.00	.0019	.0316	<i>a. m.</i>			
4:00	.57	.0002	.0008	12:00	.27	.0001	.0024	8:00	4.48	.0017	.0327	4:00	.41	.0002	.0008
8:00	.60	.0002	.0016	Sept. 23				:40	3.86	.0015	.0341	9:00	.43	.0002	.0018
<i>p. m.</i>				<i>a. m.</i>				:50	3.31	.0013	.0349	<i>p. m.</i>			
3:00	.60	.0002	.0030	5:00	.29	.0001	.0005	9:40	2.94	.0011	.0356	2:00	.43	.0002	.0034
7:00	.57	.0002	.0038	<i>p. m.</i>				10:20	2.83	.0011	.0359	3:40	.41	.0002	.0040
12:00	.57	.0002	.0048	1:00	.30	.0001	.0013	11:00	2.61	.0010		6:00	.41	.0002	.0048
Sept. 16				6:00	.29	.0001	.0018	12:00				8:00	.41	.0002	.0048
<i>a. m.</i>				12:00	.27	.0001	.0024	<i>p. m.</i>				12:00	.41	.0002	.0048
9:00	.60	.0002	.0018	Sept. 24				12:20	2.40	.0009	.0369	Oct. 4			
<i>p. m.</i>				<i>a. m.</i>				1:00	2.20	.0008	.0374	<i>a. m.</i>			
2:00	.60	.0002	.0028	4:00	.27	.0001	.0004	2:00	2.01	.0008	.0382	12:00	.41	.0002	.0024
5:00	.57	.0002	.0034	7:40	.30	.0001	.0008	3:00	1.85	.0007	.0390	<i>p. m.</i>			
7:30	.55	.0002	.0039	8:00	.30	.0001	.0009	4:20	1.68	.0006	.0398	3:00	.38	.0001	.0027
10:00	.52	.0002	.0044	10:00	.32	.0001	.0010	5:40	1.53	.0006	.0406	6:00	.38	.0001	.0030
12:00	.52	.0002	.0048	11:00	.34	.0001	.0011	7:20	1.40	.0005	.0416	9:00	.36	.0001	.0033
Sept. 17				:20	.36	.0001		9:40	1.26	.0005	.0428	12:00	.36	.0001	.0036
<i>a. m.</i>				<i>p. m.</i>				12:00	1.21	.0005	.0440	Oct. 5			
7:00	.52	.0002	.0014	12:20	.38	.0001	.0012	Sept. 26				<i>a. m.</i>			
12:00	.55	.0002	.0024	2:00	.43	.0002	.0015	<i>a. m.</i>				12:00	.41	.0002	.0024
<i>p. m.</i>				4:00	.47	.0002	.0019	1:00	1.15	.0004	.0005	<i>p. m.</i>			
3:00	.52	.0002	.0030	8:00	.30	.0001	.0008	3:00	1.10	.0004	.0013	3:00	.38	.0001	.0027
5:00	.50	.0002	.0034	10:00	.32	.0001	.0010	5:40	1.04	.0004	.0024	6:00	.38	.0001	.0030
8:00	.47	.0002	.0040	11:00	.34	.0001	.0011	8:40	.99	.0004	.0036	9:00	.36	.0001	.0033
12:00	.45	.0002	.0048	:20	.36	.0001		11:00	.95	.0004	.0045	12:00	.36	.0001	.0036
Sept. 18				<i>p. m.</i>				<i>p. m.</i>				Oct. 6			
<i>a. m.</i>				12:20	.38	.0001	.0012	2:00	.90	.0003	.0054	<i>p. m.</i>			
2:30	.47	.0002	.0005	2:00	.43	.0002	.0015	4:00	.86	.0003	.0060	1:00	.34	.0001	.0001
10:00	.50	.0002	.0020	4:00	.47	.0002	.0019	6:00	.81	.0003	.0066	2:40	.32	.0001	.0003
<i>p. m.</i>				6:20	.50	.0002	.0024	8:40	.77	.0003	.0074	5:00	.30	.0001	.0005
3:30	.47	.0002	.0031	7:40	.52	.0002	.0027	12:00	.77	.0003	.0084	12:00	.30	.0001	.0024
6:00	.45	.0002	.0036	8:10	.52	.0002	.0028	Sept. 27				Oct. 7			
				:20	.57	.0002		<i>a. m.</i>				<i>a. m.</i>			
				:24	.63	.0002		6:00	.77	.0003	.0018	9:00	.30	.0001	.0009
				9:00	.63	.0002	.0029	9:00	.74	.0003	.0027	:40	.32	.0001	.0010
				:04	.70	.0003		<i>p. m.</i>				10:00	.34	.0001	
				:08	.86	.0003		1:00	.74	.0003	.0039	:20	.36	.0001	
				:10	1.04	.0004		3:40	.70	.0003	.0047	11:00	.38	.0001	
				:12	1.26	.0005		6:40	.67	.0003	.0056	12:00	.43	.0002	
				:14	1.68	.0006		10:00	.63	.0002	.0066				
				:15	2.01	.0008		12:00	.63	.0002	.0070				
				:16	2.40	.0009									
				:18	2.72	.0010									
				:20	3.06	.0012									
				:22	3.86	.0015									
				:24	4.82	.0019	.0030								



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Oct. 7				Oct. 15				Oct. 20				Oct. 29			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
12:40-----	0.45	0.0002	0.0013	10:00-----	0.34	0.0001	0.0010	5:30-----	0.63	0.0002	0.0016	2:00-----	0.24	0.0001	0.0014
1:00-----	.50	.0002		1:40-----	.36	.0001		6:30-----	.60	.0002	.0018	3:40-----	.25	.0001	
2:00-----	.52	.0002		11:20-----	.38	.0001	.0011	8:00-----	.57	.0002	.0021	4:00-----	.27	.0001	.0015
2:10-----	.57	.0002	.0015	12:00-----	.41	.0002	.0012	9:00-----	.55	.0002	.0023	5:00-----	.27	.0001	.0016
3:00-----	.63	.0002						10:00-----	.52	.0002	.0025	6:00-----	.30	.0001	
4:00-----	.70	.0003		<i>p. m.</i>				11:20-----	.50	.0002	.0028	7:00-----	.34	.0001	
5:00-----	.74	.0003	.0016	12:40-----	.43	.0002	.0013					8:00-----	.38	.0001	
6:00-----	.74	.0003	.0018	1:40-----	.43	.0002	.0015	<i>p. m.</i>				9:00-----	.41	.0002	
7:00-----	.77	.0003	.0020	2:10-----	.47	.0002	.0016	1:00-----	.47	.0002	.0031	10:00-----	.47	.0002	.0017
8:00-----	.81	.0003	.0021	3:00-----	.47	.0002	.0022	3:00-----	.45	.0002	.0035	11:00-----	.50	.0002	
9:00-----	.81	.0003	.0023	4:00-----	.50	.0002	.0023	5:00-----	.43	.0002	.0039	12:00-----	.52	.0002	
10:00-----	.77	.0003	.0030	5:00-----	.50	.0002	.0025	8:00-----	.41	.0002	.0045				
11:00-----	.70	.0003	.0037	6:00-----	.47	.0002	.0028	12:00-----	.38	.0001	.0053				
12:00-----	.63	.0002	.0042	7:00-----	.45	.0002	.0031								
	.60	.0002	.0043	8:40-----	.43	.0002	.0034	Oct. 21							
Oct. 8				12:00-----	.41	.0002	.0035	<i>a. m.</i>							
<i>a. m.</i>				Oct. 16				5:00-----	.36	.0001	.0005				
1:00-----	.57	.0002	.0002	<i>a. m.</i>				10:00-----	.34	.0001	.0010	Oct. 30			
2:30-----	.55	.0002	.0005	2:00-----	.38	.0001	.0004	<i>p. m.</i>				<i>a. m.</i>			
4:00-----	.52	.0002	.0008	4:00-----	.36	.0001	.0006	2:00-----	.34	.0001	.0014	12:20-----	.99	.0004	.0001
5:30-----	.50	.0002	.0011	6:00-----	.34	.0001	.0008	5:00-----	.32	.0001	.0017	1:30-----	1.04	.0004	.0005
8:00-----	.47	.0002	.0016	10:00-----	.30	.0001	.0012	12:00-----	.32	.0001	.0024	3:00-----	.99	.0004	.0011
10:30-----	.45	.0002	.0021	<i>p. m.</i>								3:40-----	.95	.0004	.0014
<i>p. m.</i>				3:00-----	.29	.0001	.0017	Oct. 22				4:00-----	.90	.0003	.0015
1:30-----	.43	.0002	.0027	8:00-----	.27	.0001	.0022	<i>a. m.</i>				5:00-----	.86	.0003	.0018
3:30-----	.41	.0002	.0031	12:00-----	.27	.0001	.0026	8:00-----	.30	.0001	.0008	6:00-----	.77	.0003	.0021
7:00-----	.38	.0001	.0035					12:00-----	.29	.0001	.0012	7:00-----	.74	.0003	.0024
12:00-----	.36	.0001	.0040	Oct. 17				<i>p. m.</i>				8:00-----	.67	.0003	.0027
Oct. 9				<i>a. m.</i>				12:00-----	.29	.0001	.0024	9:00-----	.63	.0002	.0029
<i>a. m.</i>				9:00-----	.27	.0001	.0009	Oct. 23				10:00-----	.60	.0002	.0031
5:00-----	.34	.0001	.0005	10:10-----	.25	.0001	.0010	<i>p. m.</i>				11:00-----	.57	.0002	.0033
<i>p. m.</i>				<i>p. m.</i>								<i>p. m.</i>			
2:30-----	.34	.0001	.0015	4:00-----	.25	.0001	.0016	<i>p. m.</i>				1:00-----	.52	.0002	.0037
9:00-----	.32	.0001	.0022	7:20-----	.27	.0001		1:00-----	.29	.0001	.0013	3:30-----	.47	.0002	.0042
12:00-----	.32	.0001	.0025	8:30-----	.27	.0001	.0020	3:00-----	.27	.0001	.0015	5:30-----	.45	.0002	.0046
Oct. 10				10:00-----	.29	.0001	.0022	12:00-----	.27	.0001	.0024	7:30-----	.43	.0002	.0050
<i>a. m.</i>				12:00-----	.29	.0001	.0024	Oct. 24				10:00-----	.41	.0002	.0055
4:00-----	.32	.0001	.0004	Oct. 18				<i>p. m.</i>				12:00-----	.38	.0001	.0059
8:00-----	.30	.0001	.0008	<i>a. m.</i>				3:00-----	.27	.0001	.0015	Oct. 31			
12:00-----	.29	.0001	.0012	3:00-----	.30	.0001	.0003	7:00-----	.25	.0001	.0019	<i>a. m.</i>			
<i>p. m.</i>				7:00-----	.32	.0001	.0007	12:00-----	.25	.0001	.0024	2:00-----	.38	.0001	.0002
6:00-----	.29	.0001	.0018	11:00-----	.32	.0001	.0011	Oct. 25				6:00-----	.36	.0001	.0006
9:30-----	.27	.0001	.0022	<i>p. m.</i>				<i>a. m.</i>				12:00-----	.34	.0001	.0012
12:00-----	.27	.0001	.0025	3:00-----	.30	.0001	.0015	4:00-----	.25	.0001	.0004	<i>p. m.</i>			
Oct. 11				7:00-----	.29	.0001	.0019	5:30-----	.27	.0001	.0006	5:00-----	.32	.0001	.0017
<i>p. m.</i>				10:30-----	.27	.0001	.0023	9:00-----	.29	.0001	.0010	9:00-----	.30	.0001	.0021
12:00-----	.27	.0001	.0024	12:00-----	.27	.0001	.0025	12:00-----	.30	.0001	.0013	12:00-----	.30	.0001	.0024
Oct. 12				Oct. 19				<i>p. m.</i>				Nov. 1			
<i>p. m.</i>				<i>a. m.</i>				3:00-----	.30	.0001	.0016	<i>a. m.</i>			
12:00-----	.27	.0001	.0024	11:00-----	.27	.0001	.0011	5:00-----	.32	.0001	.0018	6:00-----	.30	.0001	.0006
Oct. 13				<i>p. m.</i>				12:00-----	.32	.0001	.0025	8:10-----	.32	.0001	.0008
<i>p. m.</i>				12:30-----	.29	.0001	.0013	Oct. 26				1:35-----	.34	.0001	
12:00-----	.25	.0001	.0024	1:30-----	.30	.0001	.0014	<i>a. m.</i>				2:40-----	.36	.0001	
Oct. 14				2:00-----	.32	.0001		5:00-----	.32	.0001	.0005	3:50-----	.41	.0002	
<i>p. m.</i>				3:00-----	.36	.0001	.0015	9:00-----	.30	.0001	.0009	4:00-----	.43	.0002	
12:00-----	.25	.0001	.0024	4:00-----	.38	.0001		10:30-----	.29	.0001	.0011	5:00-----	.45	.0002	
Oct. 15				7:00-----	.41	.0002	.0016	<i>p. m.</i>				6:00-----	.50	.0002	
<i>a. m.</i>				10:00-----	.43	.0002	.0017	2:00-----	.29	.0001	.0015	7:00-----	.55	.0002	
2:00-----	.20	.0001	.0002	1:40-----	.45	.0002	.0018	6:00-----	.27	.0001	.0019	10:00-----	.60	.0002	
3:00-----	.22	.0001	.0003	2:00-----	.47	.0002	.0019	9:00-----	.27	.0001	.0023	11:00-----	.67	.0003	
4:00-----	.24	.0001	.0004	3:00-----	.50	.0002	.0020	10:00-----	.29	.0001	.0024	12:00-----	.74	.0003	
5:00-----	.24	.0001	.0005	4:00-----	.52	.0002	.0021	11:00-----	.29	.0001	.0024	1:25-----	.81	.0003	
6:00-----	.24	.0001		6:00-----	.57	.0002	.0022	12:00-----	.29	.0001	.0024	2:30-----	1.04	.0004	
7:00-----	.25	.0001		8:00-----	.60	.0002	.0023	Oct. 27				3:30-----	1.21	.0005	
8:00-----	.27	.0001	.0007	10:00-----	.63	.0002	.0024	<i>p. m.</i>				3:40-----	1.46	.0006	
9:00-----	.29	.0001	.0008	12:00-----	.63	.0002	.0025	2:00-----	.29	.0001	.0014	3:50-----	1.68	.0006	
	.32	.0001	.0009	1:30-----	.70	.0003	.0026	6:00-----	.27	.0001	.0018	4:00-----	2.01	.0008	.0009
Oct. 16				2:30-----	.74	.0003	.0027	<i>p. m.</i>				4:10-----	2.20	.0008	.0010
<i>a. m.</i>				3:30-----	.77	.0003	.0028	2:00-----	.24	.0001	.0024	4:20-----	2.50	.0010	.0012
1:30-----	.77	.0003	.0029	4:30-----	.81	.0003	.0029	6:00-----	.27	.0001	.0018	5:00-----	2.94	.0011	.0014
2:30-----	.77	.0003	.0030	Oct. 20				12:00-----	.27	.0001	.0024	6:00-----	3.18	.0012	.0015
3:30-----	.77	.0003	.0031	<i>a. m.</i>				Oct. 28				7:00-----	3.44	.0013	.0016
4:30-----	.77	.0003	.0032	1:30-----	.77	.0003	.0005	<i>a. m.</i>				8:00-----	3.44	.0013	.0017
5:30-----	.77	.0003	.0033	2:30-----	.74	.0003	.0008	2:00-----	.27	.0001	.0002	9:00-----	4.16	.0016	.0018
6:30-----	.77	.0003	.0034	3:30-----	.70	.0003	.0011	5:00-----	.25	.0001	.0005	10:00-----	4.82	.0019	.0019
7:30-----	.77	.0003	.0035	4:30-----	.67	.0003	.0014	9:00-----	.25	.0001	.0009	11:00-----	5.76	.0022	.0021
8:30-----	.77	.0003	.0036	Oct. 21				12:00-----	.24	.0001	.0012	12:00-----	6.17	.0024	.0022
9:30-----	.77	.0003	.0037	<i>p. m.</i>				Oct. 29				1:00-----	6.39	.0025	.0025
10:30-----	.77	.0003	.0038	1:00-----	.77	.0003	.0005	Oct. 30				2:00-----	7.07	.0027	.0029
11:30-----	.77	.0003	.0039	2:00-----	.74	.0003	.0008	Oct. 31							
12:30-----	.77	.0003	.0040	3:00-----	.70	.0003	.0011	<i>p. m.</i>				12:05-----	8.03	.0031	.0031
	.77	.0003	.0041	4:00-----	.67	.0003	.0014	1:00-----	.74	.0003	.0015	1:10-----	8.54	.0033	.0034
	.77	.0003	.0042	5:00-----	.63	.0003	.0017	2:00-----	.70	.0003	.0016				
	.77	.0003	.0043	6:00-----	.60	.0003	.0019	3:00-----	.67	.0003	.0017				
	.77	.0003	.0044	7:00-----	.57	.0003	.0020	4:00-----	.63	.0003	.0018				
	.77	.0003	.0045	8:00-----	.54	.0003	.0021	5:00-----	.60	.0003	.0019				
	.77	.0003	.0046	9:00-----	.51	.0003	.0022	6:00-----	.57	.0003	.0020				
	.77	.0003	.0047	10:00-----	.48	.0003	.0023	7:00-----	.54	.0003	.0021				
	.77	.0003	.0048	11:00-----	.45	.0003	.0024	8:00-----	.51	.0003	.0022				
	.77	.0003	.0049	12:00-----	.42	.0003	.0025	9:00-----	.48	.0003	.0023				
	.77	.0003	.0050					10:00-----	.45	.0003	.0024				
	.77	.0003	.0051					11:00-----	.42	.0003	.0025				
	.77	.0003	.0052					12:00-----	.39	.0003	.0026				
	.77	.0003	.0053												
	.77	.0003	.0054</												



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time		Instantaneous rate of run-off		Accumulated run-off by days	Date and time		Instantaneous rate of run-off		Accumulated run-off by days	Date and time		Instantaneous rate of run-off		Accumulated run-off by days	Date and time		Instantaneous rate of run-off		Accumulated run-off by days
Nov. 1		Second-foot	Inches per hour	Inches	Nov. 4		Second-foot	Inches per hour	Inches	Nov. 9		Second-foot	Inches per hour	Inches	Nov. 12		Second-foot	Inches per hour	Inches
<i>p. m.</i>					<i>p. m.</i>					<i>a. m.</i>					<i>a. m.</i>				
12:20	9.33	0.0036	0.0040		2:00	0.90	0.0003	0.0051		3:00	1.21	0.0005	0.0015		4:00	5.76	0.0022	0.0099	
:30	9.87	.0038	.0046		6:00	.86	.0003	.0063		6:00	1.15	.0004	.0027		5:30	5.56	.0021	.0131	
:40	10.7	.0041	.0053		12:00	.90	.0003	.0081		12:00	1.15	.0004	.0099		6:30	5.37	.0021	.0152	
:50	11.6	.0045	.0060		Nov. 5					Nov. 10					Nov. 11				
1:00	12.5	.0048	.0068		<i>a. m.</i>					<i>a. m.</i>					<i>a. m.</i>				
:10	12.5	.0048	.0076		3:00	.90	.0003	.0009		6:00	1.15	.0004	.0024		7:30	5.18	.0020	.0172	
:30	12.2	.0047	.0092		7:00	.86	.0003	.0021		7:00	1.21	.0005	.0028		9:00	5.00	.0019	.0201	
:52	12.2	.0047	.0109		8:40	.86	.0003	.0026		9:30	1.26	.0005	.0041		10:30	4.65	.0018	.0228	
2:00	11.9	.0046	.0115		9:30	.90	.0003	.0029		<i>p. m.</i>					<i>p. m.</i>				
:20	11.0	.0042	.0130		:50	.95	.0004	.0030		12:30	1.21	.0005	.0056		1:00	4.32	.0017	.0271	
:40	10.1	.0039	.0143		10:20	.99	.0004	.0032		5:00	1.15	.0004	.0079		2:20	4.16	.0016	.0292	
3:00	9.06	.0035	.0155		:40	1.04	.0004	.0033		12:00	1.15	.0004	.0107		4:00	4.01	.0015	.0319	
:20	8.54	.0033	.0166		11:00	1.15	.0004	.0034		<i>a. m.</i>					<i>a. m.</i>				
:40	7.78	.0030	.0176		:20	1.21	.0005	.0036		1:30	1.21	.0005	.0006		6:00	3.86	.0015	.0349	
4:00	7.07	.0027	.0186		:40	1.40	.0005	.0038		2:00	1.26	.0005	.0009		8:00	3.72	.0014	.0377	
:20	6.61	.0026	.0195		12:00	1.60	.0006	.0040		3:00	1.40	.0005	.0014		9:30	3.58	.0014	.0398	
:40	5.96	.0023	.0203		<i>p. m.</i>					<i>p. m.</i>					<i>p. m.</i>				
5:00	5.56	.0021	.0210		12:20	1.76	.0007	.0042		4:00	1.46	.0006	.0016		11:00	3.44	.0013	.0418	
:20	5.37	.0021	.0217		:40	1.93	.0007	.0044		5:00	1.50	.0006	.0017		12:00	3.44	.0013	.0431	
:40	5.00	.0019	.0224		1:00	2.20	.0008	.0047		6:00	1.50	.0006	.0019		Nov. 13				
6:00	4.65	.0018	.0230		:20	2.61	.0010	.0050		7:00	1.50	.0006	.0024		<i>a. m.</i>				
:30	4.48	.0017	.0239		:40	3.18	.0012	.0054		8:00	1.50	.0006	.0024		2:00	3.31	.0013	.0026	
:50	4.32	.0017	.0245		:50	3.44	.0013	.0056		9:00	1.50	.0006	.0024		5:00	3.18	.0012	.0062	
7:10	4.48	.0017	.0251		2:00	3.86	.0015	.0058		10:00	1.50	.0006	.0024		8:00	3.06	.0012	.0098	
:20	4.32	.0017	.0254		:30	4.65	.0018	.0064		11:00	1.50	.0006	.0024		11:00	2.94	.0011	.0131	
:30	4.48	.0017	.0257		:40	5.00	.0019	.0067		12:00	1.50	.0006	.0024		<i>p. m.</i>				
:40	4.65	.0018	.0260		:50	5.56	.0021	.0070		1:00	1.50	.0006	.0024		6:00	2.94	.0011	.0208	
8:00	5.00	.0019	.0266		3:00	6.39	.0025	.0086		:20	5.76	.0022	.0037		9:00	2.83	.0011	.0241	
:20	5.96	.0023	.0273		:40	6.84	.0026	.0094		3:30	6.17	.0021	.0041		12:00	2.83	.0011	.0274	
:40	6.61	.0026	.0281		4:20	6.84	.0026	.0111		4:00	6.61	.0026	.0045		Nov. 14				
9:00	6.84	.0026	.0290		:40	6.61	.0026	.0120		5:00	7.30	.0028	.0054		<i>a. m.</i>				
:10	6.84	.0026	.0294		:50	6.39	.0025	.0128		6:00	7.78	.0030	.0064		2:00	2.72	.0010	.0022	
:20	7.30	.0028	.0299		5:00	6.17	.0024	.0136		7:00	8.28	.0032	.0074		6:00	2.61	.0010	.0062	
:30	7.30	.0028	.0304		:20	5.96	.0023	.0144		:40	8.28	.0032	.0085		11:00	2.50	.0010	.0112	
10:30	7.30	.0028	.0332		:40	5.76	.0022	.0151		8:00	8.54	.0033	.0096		12:00	2.50	.0010	.0122	
11:00	6.61	.0026	.0346		:50	5.56	.0021	.0158		:20	8.54	.0033	.0118		<i>p. m.</i>				
:20	6.39	.0025	.0355		6:00	5.37	.0021	.0172		8:00	8.54	.0033	.0118		5:00	2.40	.0009	.0172	
:40	5.96	.0023	.0363		7:00	5.00	.0019	.0192		:20	8.80	.0034	.0129		12:00	2.40	.0009	.0235	
12:00	5.76	.0022	.0370		8:00	4.82	.0019	.0211		9:00	9.33	.0036	.0152		Nov. 15				
Nov. 2					9:00	4.48	.0017	.0229		:10	9.60	.0037	.0158		<i>a. m.</i>				
<i>a. m.</i>					10:00	4.48	.0017	.0229		:20	10.1	.0039	.0164		<i>p. m.</i>				
12:20	5.56	.0021	.0007		11:00	4.32	.0017	.0246		:40	11.3	.0044	.0178		7:00	2.40	.0009	.0171	
:40	5.18	.0020	.0014		12:00	3.86	.0015	.0262		10:00	12.9	.0050	.0194		10:00	2.30	.0009	.0198	
:10	5.00	.0019	.0021		Nov. 6					Nov. 11					Nov. 12				
:20	4.82	.0019	.0027		<i>a. m.</i>					<i>a. m.</i>					<i>a. m.</i>				
:40	4.48	.0017	.0033		1:00	3.58	.0014	.0014		:20	14.2	.0055	.0212		12:00	2.30	.0009	.0216	
2:00	4.32	.0017	.0039		2:00	3.44	.0013	.0027		:30	14.9	.0058	.0221		Nov. 16				
:20	4.16	.0016	.0045		3:00	3.18	.0012	.0039		:40	15.3	.0059	.0231		<i>a. m.</i>				
:40	3.86	.0015	.0050		4:00	3.06	.0012	.0051		11:00	16.0	.0062	.0251		2:00	2.20	.0008	.0016	
3:00	3.72	.0014	.0055		6:30	2.83	.0011	.0081		:20	17.5	.0068	.0273		5:00	2.10	.0008	.0044	
:20	3.58	.0014	.0060		8:00	2.72	.0010	.0096		:40	19.6	.0076	.0297		8:00	2.01	.0008	.0064	
:40	3.44	.0013	.0064		9:30	2.61	.0010	.0111		12:00	22.1	.0085	.0324		<i>p. m.</i>				
4:10	3.31	.0013	.0071		11:00	2.50	.0010	.0126		12:10	23.5	.0091	.0339		11:00	2.01	.0008	.0184	
5:00	3.06	.0012	.0082		<i>p. m.</i>					<i>p. m.</i>					<i>p. m.</i>				
6:00	2.94	.0011	.0093		12:30	2.40	.0009	.0140		:20	24.4	.0094	.0354		12:00	1.93	.0007	.0192	
:40	2.83	.0011	.0100		2:00	2.30	.0009	.0154		:40	25.8	.0100	.0386		Nov. 17				
7:00	2.72	.0010	.0103		4:30	2.20	.0008	.0174		1:00	25.8	.0100	.0419		<i>a. m.</i>				
8:00	2.61	.0010	.0113		7:00	2.10	.0008	.0194		:20	24.9	.0096	.0452		5:00	1.93	.0007	.0035	
9:00	2.40	.0009	.0122		10:00	2.01	.0008	.0218		:40	23.5	.0091	.0483		10:00	1.85	.0007	.0070	
10:00	2.30	.0009	.0131		12:00	2.01	.0008	.0234		2:00	22.1	.0085	.0512		Nov. 18				
11:00	2.20	.0008	.0140		<i>a. m.</i>					<i>a. m.</i>					<i>a. m.</i>				
12:00	2.10	.0008	.0148		2:30	1.93	.0007	.0018		:20	20.8	.0080	.0540		2:00	2.20	.0008	.0018	
Nov. 3					4:00	1.85	.0007	.0043		:40	19.6	.0076	.0566		4:00	2.10	.0008	.0035	
<i>a. m.</i>					6:00	1.76	.0007	.0071		3:00	18.3	.0071	.0590		6:00	2.01	.0008	.0050	
3:00	1.40	.0005	.0015		<i>p. m.</i>					<i>p. m.</i>					<i>p. m.</i>				
4:30	1.33	.0005	.0023		2:00	1.68	.0006	.0095		:20	16.8	.0065	.0613		8:00	2.40	.0009	.0135	
7:00	1.26	.0005	.0035		6:00	1.60	.0006	.0119		:40	16.0	.0062	.0634		10:00	2.50	.0010	.0160	
9:30	1.21	.0005	.0048		10:00	1.53	.0006	.0143		4:00	14.9	.0058	.0654		11:30	2.40	.0009	.0184	
12:00	1.15	.0004	.0058		12:00	1.53	.0006	.0155		:20	14.2	.0055	.0673		12:00	2.30	.0009	.0189	
Nov. 4					4:00	1.46	.0006	.0030		:40	13.5	.0052	.0691		<i>a. m.</i>				
<i>p. m.</i>					6:00	1.40	.0005	.0050		5:00	12.5	.0048	.0708		1:00	1.85	.0007	.0091	
2:30	1.10	.0004	.0068		8:00	1.40	.0005	.0065		:20	12.2	.0047	.0724		2:00	1.93	.0007	.0098	
6:00	1.04	.0004	.0082		10:00	1.40	.0005	.0075		:40	11.6	.0045	.0739		3:00	2.01	.0008	.0105	
12:00	1.04	.0004	.0106		Nov. 8					Nov. 12					Nov. 13				
Nov. 4					<i>a. m.</i>					<i>a. m.</i>					<i>a. m.</i>				
<i>a. m.</i>					5:00	1.46	.0006	.0030		6:00	11.3	.0044	.0754		4:00	2.10	.0008	.0113	
3:00	.99	.0004	.0012		9:00	1.40	.0005	.0050		:20	10.7	.0041	.0768		6:00	2.01	.0008	.0135	
9:00	.95	.0004	.0036		12:00	1.40	.0005	.0065		:40	10.4	.0040	.0781		7:30	1.93	.0007	.0160	
Nov. 4					<i>p. m.</i>					<i>p. m.</i>					<i>p. m.</i>				
<i>a. m.</i>					5:00	1.33	.0005	.0080		7:00	10.1	.0039	.0794		10:00	1.85	.0007	.0189	
3:00	.99	.0004	.0012		8:0														



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Nov. 19				Nov. 26				Nov. 27				Dec. 3			
a. m.				p. m.				a. m.				a. m.			
5:30-----	1.68	0.0006	0.0033	12:20-----	1.68	0.0006	0.0074	11:00-----	14.2	0.0055	0.0888	1:50-----	2.40	0.0009	0.0022
10:30-----	1.60	0.0006	0.0063	1:20-----	1.85	0.0007	0.0080	12:00-----	13.8	0.0053	0.0942	2:30-----	2.30	0.0009	0.0028
				:44-----	2.20	0.0008	0.0083					3:00-----	2.20	0.0008	0.0032
p. m.				2:00-----	2.61	0.0010	0.0085	p. m.				5:00-----	2.20	0.0008	0.0048
3:30-----	1.68	0.0006	0.0093	:12-----	3.18	0.0012	0.0087	1:00-----	13.2	0.0051	0.0994	6:30-----	2.40	0.0009	0.0062
12:00-----	1.68	0.0006	0.0144	:20-----	3.58	0.0014	0.0089	2:00-----	12.5	0.0048	0.1043	7:30-----	2.50	0.0010	0.0071
Nov. 20				:26-----	4.16	0.0016	0.0091	3:30-----	12.2	0.0047	0.1115	8:30-----	2.61	0.0010	0.0081
a. m.				:32-----	5.18	0.0020	0.0093	5:30-----	11.6	0.0045	0.1207	9:00-----	2.72	0.0010	0.0086
5:00-----	1.60	0.0006	0.0030	:36-----	5.96	0.0023	0.0094	7:00-----	11.0	0.0042	0.1272	:30-----	2.83	0.0011	0.0092
				:40-----	6.84	0.0026	0.0096	9:00-----	10.4	0.0040	0.1354	10:00-----	3.06	0.0012	0.0098
p. m.				:44-----	7.78	0.0030	0.0098	10:00-----	10.1	0.0039	0.1394	:10-----	3.31	0.0013	0.0100
12:00-----	1.60	0.0006	0.0144	:48-----	8.80	0.0034	0.0100	11:00-----	9.60	0.0037	0.1432	:40-----	3.31	0.0013	0.0107
Nov. 21				:52-----	10.4	0.0040	0.0102	12:00-----	9.60	0.0037	0.1469	11:00-----	3.44	0.0013	0.0111
a. m.				:54-----	11.9	0.0046	0.0103					:20-----	3.58	0.0014	0.0115
5:00-----	1.60	0.0006	0.0030	:56-----	13.5	0.0052	0.0105	Nov. 28				:40-----	3.72	0.0014	0.0120
p. m.				:58-----	15.3	0.0059	0.0107	a. m.				:52-----	3.86	0.0015	0.0123
12:00-----	1.60	0.0006	0.0144	3:00-----	17.2	0.0066	0.0109	1:00-----	9.33	0.0036	0.0036	12:00-----	3.72	0.0014	0.0125
Nov. 22				:02-----	18.7	0.0072	0.0111	3:00-----	8.80	0.0034	0.0106				
a. m.				:04-----	20.4	0.0079	0.0113	4:30-----	8.54	0.0033	0.0157	p. m.			
5:00-----	1.53	0.0006	0.0030	:06-----	22.1	0.0085	0.0116	6:00-----	8.28	0.0032	0.0205	12:15-----	3.86	0.0015	0.0129
11:00-----	1.53	0.0006	0.0066	:08-----	23.9	0.0092	0.0119	8:00-----	7.78	0.0030	0.0267	:40-----	3.58	0.0014	0.0135
				:12-----	26.7	0.0103	0.0125	9:30-----	7.54	0.0029	0.0311	1:00-----	3.44	0.0013	0.0140
p. m.				:14-----	29.8	0.0115	0.0129	11:00-----	7.30	0.0028	0.0355	:20-----	3.31	0.0013	0.0144
4:00-----	1.46	0.0006	0.0096	:16-----	31.9	0.0123	0.0133					2:30-----	2.83	0.0011	0.0158
12:00-----	1.46	0.0006	0.0144	:20-----	34.8	0.0134	0.0142	p. m.				4:40-----	2.72	0.0010	0.0180
Nov. 23				:22-----	37.7	0.0146	0.0147	2:00-----	7.07	0.0027	0.0436	6:20-----	2.61	0.0010	0.0197
a. m.				:25-----	39.5	0.0152	0.0154	5:30-----	6.84	0.0026	0.0531	7:00-----	2.40	0.0009	0.0204
5:00-----	1.53	0.0006	0.0030	:30-----	44.7	0.0172	0.0167	8:00-----	6.61	0.0026	0.0596	:40-----	2.30	0.0009	0.0210
7:00-----	1.53	0.0006	0.0042	:35-----	46.8	0.0180	0.0182	10:00-----	6.39	0.0025	0.0646	8:20-----	2.20	0.0008	0.0215
10:00-----	1.46	0.0006	0.0060	:40-----	51.0	0.0196	0.0198	12:00-----	6.17	0.0024	0.0696	9:00-----	2.10	0.0008	0.0220
11:00-----	1.46	0.0006	0.0066	:45-----	54.8	0.0211	0.0215					:40-----	2.01	0.0008	0.0225
				:50-----	59.5	0.0229	0.0233	Nov. 29				12:00-----	2.01	0.0008	0.0244
p. m.				:55-----	64.4	0.0248	0.0253	a. m.							
2:00-----	1.60	0.0006	0.0084	4:00-----	67.0	0.0258	0.0274	8:30-----	6.17	0.0024	0.0204	Dec. 4			
5:00-----	1.33	0.0005	0.0099	:05-----	69.6	0.0268	0.0296	10:30-----	5.96	0.0023	0.0250	a. m.			
12:00-----	1.33	0.0005	0.0134	:10-----	71.4	0.0275	0.0319					12:40-----	2.01	0.0008	0.0005
				:15-----	72.4	0.0279	0.0342	p. m.				2:00-----	2.10	0.0008	0.0016
Nov. 24				:30-----	73.3	0.0283	0.0412	4:00-----	5.56	0.0021	0.0371	3:30-----	2.20	0.0008	0.0028
a. m.				:40-----	73.3	0.0283	0.0459	6:00-----	5.37	0.0021	0.0413	5:00-----	2.20	0.0008	0.0040
5:00-----	1.26	0.0005	0.0025	5:00-----	71.4	0.0275	0.0552	8:00-----	5.18	0.0020	0.0455	7:30-----	2.30	0.0009	0.0063
				:10-----	69.6	0.0268	0.0597	9:20-----	5.00	0.0019	0.0480	9:30-----	2.40	0.0009	0.0081
p. m.				:20-----	67.8	0.0261	0.0641	11:00-----	4.82	0.0019	0.0512	12:00-----	2.61	0.0010	0.0104
6:00-----	1.26	0.0005	0.0090	:30-----	65.3	0.0252	0.0684	12:00-----	4.82	0.0019	0.0531				
8:00-----	1.33	0.0005	0.0100	:40-----	62.7	0.0242	0.0725					p. m.			
9:00-----	1.40	0.0005	0.0105	:50-----	60.3	0.0232	0.0765	Nov. 30				12:40-----	2.50	0.0010	0.0111
10:00-----	1.53	0.0006	0.0111	6:00-----	58.7	0.0226	0.0803	a. m.				4:00-----	2.50	0.0010	0.0144
11:00-----	1.60	0.0006	0.0117	:10-----	54.8	0.0211	0.0839	1:00-----	4.65	0.0018	0.0019	5:30-----	2.61	0.0010	0.0159
12:00-----	1.68	0.0006	0.0123	:20-----	52.5	0.0202	0.0874	4:00-----	4.48	0.0017	0.0070	12:00-----	2.61	0.0010	0.0224
				:30-----	50.3	0.0194	0.0907	6:00-----	4.48	0.0017	0.0104				
Nov. 25				:40-----	48.9	0.0188	0.0939	8:00-----	4.32	0.0017	0.0138	Dec. 5			
a. m.				:55-----	46.8	0.0180	0.0985					a. m.			
1:00-----	1.76	0.0007	0.0007	7:00-----	47.5	0.0183	0.1000	1:00-----	4.32	0.0017	0.0223	5:00-----	2.61	0.0010	0.0050
2:00-----	1.85	0.0007	0.0014	:15-----	47.5	0.0183	0.1046	2:30-----	4.48	0.0017	0.0249	9:00-----	2.50	0.0010	0.0090
3:00-----	2.01	0.0008	0.0021	:30-----	48.9	0.0188	0.1092	3:30-----	4.65	0.0018	0.0267	12:00-----	2.40	0.0009	0.0120
:40-----	2.10	0.0008	0.0026	:40-----	50.3	0.0194	0.1124	4:00-----	4.82	0.0019	0.0276				
4:00-----	2.20	0.0008	0.0029	8:00-----	53.2	0.0205	0.1190	:20-----	5.00	0.0019	0.0282	p. m.			
:30-----	2.30	0.0009	0.0033	:20-----	56.3	0.0217	0.1260	5:00-----	5.37	0.0021	0.0295	2:30-----	2.40	0.0009	0.0143
5:00-----	2.40	0.0009	0.0038	:30-----	57.1	0.0220	0.1297	6:00-----	5.56	0.0021	0.0316	3:20-----	2.30	0.0009	0.0150
:30-----	2.50	0.0010	0.0043	:35-----	57.9	0.0223	0.1315	8:00-----	5.76	0.0022	0.0327	:40-----	2.40	0.0009	0.0153
6:30-----	2.61	0.0010	0.0053	:40-----	57.9	0.0223	0.1334	9:30-----	6.17	0.0024	0.0396	5:00-----	2.30	0.0009	0.0165
8:30-----	2.61	0.0010	0.0073	9:00-----	55.6	0.0214	0.1407	10:30-----	6.39	0.0025	0.0420	8:00-----	2.20	0.0008	0.0189
9:30-----	2.50	0.0010	0.0083	:20-----	53.2	0.0205	0.1477	12:00-----	6.17	0.0024	0.0456	12:00-----	2.20	0.0008	0.0221
11:00-----	2.40	0.0009	0.0098	:40-----	49.6	0.0191	0.1543								
12:00-----	2.30	0.0009	0.0107	10:00-----	46.8	0.0180	0.1605	Dec. 1				Dec. 6			
				:20-----	44.7	0.0172	0.1664	a. m.				a. m.			
p. m.				:40-----	42.1	0.0162	0.1720	2:00-----	5.96	0.0023	0.0048	12:20-----	1.93	0.0007	0.0003
1:20-----	2.20	0.0008	0.0118	11:00-----	40.1	0.0155	0.1773	4:00-----	5.56	0.0021	0.0092	:40-----	1.85	0.0007	0.0005
3:00-----	2.10	0.0008	0.0131	:20-----	37.7	0.0146	0.1823	6:20-----	5.18	0.0020	0.0139	1:00-----	1.76	0.0007	0.0007
5:00-----	2.01	0.0008	0.0147	:40-----	36.5	0.0141	0.1871	8:40-----	4.82	0.0019	0.0186	:20-----	1.68	0.0006	0.0009
9:00-----	1.93	0.0007	0.0175	12:00-----	34.8	0.0134	0.1917	10:20-----	4.65	0.0018	0.0216	2:00-----	1.68	0.0006	0.0013
12:00-----	1.93	0.0007	0.0196					12:00-----	4.48	0.0017	0.0246	:40-----	1.76	0.0007	0.0017
Nov. 26				Nov. 27								4:00-----	1.85	0.0007	0.0026
a. m.				a. m.								5:00-----	1.93	0.0007	0.0033
12:00-----	1.53	0.0006	0.0072	12:20-----	33.0	0.0127	0.0044	2:00-----	4.32	0.0017	0.0280	8:00-----	1.93	0.0007	0.0054
				:40-----	31.4	0.0121	0.0085	5:00-----	4.16	0.0016	0.0328	9:30-----	2.01	0.0008	0.0066
				1:00-----	30.3	0.0117	0.0125	7:40-----	4.01	0.0015	0.0371	10:30-----	2.20	0.0008	0.0074
				:20-----	28.7	0.0111	0.0163	10:00-----	3.86	0.0015	0.0406	11:00-----	2.20	0.0008	0.0078
				:40-----	27.7	0.0107	0.0199	12:00-----	3.72	0.0014	0.0434	:30-----	2.01	0.0008	0.0082
				2:00-----	26.7	0.0103	0.0234	Dec. 2				p. m.			
				:20-----	25.8	0.0100	0.0268	a. m.				2:00-----	2.01	0.0008	0.0102
				:40-----	24.9	0.0096	0.0301	5:00-----	3.58	0					



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Dec. 7				Dec. 12				Dec. 16				Dec. 18			
a. m.				p. m.				a. m.				a. m.			
5:30-----	2.61	0.0010	0.0050	5:20-----	5.00	0.0019	0.0146	4:10-----	23.9	0.0092	0.0126	3:30-----	7.78	0.0030	0.0106
5:50-----	2.61	0.0010	0.0053	:40-----	5.37	0.0021	0.0153	:15-----	25.3	0.0098	0.0134	5:00-----	7.30	0.0028	0.0149
6:00-----	2.72	0.0010	0.0055	6:00-----	5.96	0.0023	0.0160	:20-----	26.7	0.0103	0.0142	8:00-----	7.07	0.0027	0.0233
:20-----	2.83	0.0011	0.0058	:20-----	6.84	0.0026	0.0168	:30-----	29.3	0.0113	0.0160	12:00-----	7.07	0.0027	0.0341
:50-----	3.06	0.0012	0.0064	:40-----	8.28	0.0032	0.0178	:40-----	30.9	0.0119	0.0179				
7:00-----	3.31	0.0013	0.0066	:50-----	9.06	0.0035	0.0184	:50-----	32.4	0.0125	0.0199	p. m.			
:20-----	3.44	0.0013	0.0070	7:00-----	9.60	0.0037	0.0190	5:00-----	34.2	0.0132	0.0220	5:00-----	6.84	0.0026	0.0471
:40-----	3.58	0.0014	0.0074	:10-----	10.7	0.0041	0.0197	:10-----	34.8	0.0134	0.0242	8:00-----	6.61	0.0026	0.0549
8:00-----	3.72	0.0014	0.0079	:20-----	12.2	0.0047	0.0204	:30-----	35.3	0.0136	0.0287	12:00-----	6.39	0.0025	0.0653
:20-----	3.86	0.0015	0.0084	:30-----	13.5	0.0052	0.0212	:40-----	34.8	0.0134	0.0310				
:40-----	4.01	0.0015	0.0089	:40-----	14.5	0.0056	0.0221	6:00-----	34.2	0.0132	0.0338	Dec. 19			
9:00-----	4.16	0.0016	0.0094	:50-----	15.3	0.0059	0.0231	:20-----	33.0	0.0127	0.0381	a. m.			
9:30-----	4.32	0.0017	0.0102	8:00-----	15.7	0.0061	0.0241	:40-----	30.9	0.0119	0.0422	1:30-----	6.39	0.0025	0.0038
10:20-----	4.48	0.0017	0.0116	:10-----	16.4	0.0062	0.0251	7:00-----	29.3	0.0113	0.0461	4:00-----	6.17	0.0024	0.0098
p. m.				:20-----	17.2	0.0066	0.0262	:20-----	28.2	0.0109	0.0498	7:30-----	5.96	0.0023	0.0182
1:00-----	4.48	0.0017	0.0162	:30-----	17.5	0.0069	0.0273	:40-----	26.7	0.0103	0.0533	10:00-----	5.76	0.0022	0.0237
2:00-----	4.32	0.0017	0.0179	:50-----	17.9	0.0069	0.0296	8:00-----	24.4	0.0094	0.0599	12:00-----	5.76	0.0022	0.0281
:30-----	4.16	0.0016	0.0188	9:00-----	17.9	0.0069	0.0307	:20-----	23.0	0.0089	0.0629				
3:00-----	4.01	0.0015	0.0196	:20-----	17.2	0.0066	0.0330	:40-----	22.1	0.0085	0.0658	p. m.			
4:00-----	3.86	0.0015	0.0211	:40-----	16.0	0.0062	0.0351	9:00-----	21.3	0.0082	0.0686	3:30-----	5.96	0.0023	0.0361
5:00-----	3.72	0.0014	0.0226	10:00-----	15.3	0.0059	0.0371	:20-----	20.4	0.0079	0.0713	5:00-----	5.96	0.0023	0.0396
6:00-----	3.58	0.0014	0.0240	:20-----	14.5	0.0056	0.0390	:40-----	20.0	0.0077	0.0739	8:00-----	5.76	0.0022	0.0462
7:30-----	3.44	0.0013	0.0260	:40-----	13.8	0.0053	0.0408	10:00-----	19.1	0.0074	0.0764	12:00-----	5.76	0.0022	0.0550
9:00-----	3.31	0.0013	0.0280	11:00-----	13.2	0.0051	0.0425	:20-----	18.7	0.0072	0.0788				
10:00-----	3.18	0.0012	0.0293	:20-----	12.5	0.0048	0.0441	:40-----	17.9	0.0069	0.0811	Dec. 20			
12:00-----	2.94	0.0011	0.0315	:40-----	12.2	0.0047	0.0457	11:00-----	17.2	0.0066	0.0879	a. m.			
				12:00-----	11.6	0.0045	0.0472	12:00-----				1:00-----	5.76	0.0022	0.0022
Dec. 8				Dec. 13				p. m.				6:00-----	5.56	0.0021	0.0132
a. m.				a. m.				1:00-----	16.4	0.0063	0.0943	10:00-----	5.37	0.0021	0.0216
1:00-----	2.83	0.0011	0.0011	1:00-----	10.7	0.0041	0.0043	:20-----	16.4	0.0063	0.0964				
3:00-----	2.72	0.0010	0.0033	:30-----	10.4	0.0040	0.0063	:25-----	16.8	0.0065	0.0969	p. m.			
5:00-----	2.61	0.0010	0.0053	2:00-----	9.87	0.0038	0.0083	:35-----	16.8	0.0065	0.0980	3:00-----	5.18	0.0020	0.0316
7:00-----	2.50	0.0010	0.0073	3:00-----	9.33	0.0036	0.0120	:40-----	17.2	0.0066	0.0985	8:00-----	5.18	0.0020	0.0416
10:00-----	2.40	0.0009	0.0100	4:00-----	8.54	0.0033	0.0155	:50-----	18.3	0.0071	0.0996	10:30-----	5.00	0.0019	0.0466
p. m.				5:00-----	8.28	0.0032	0.0187	2:00-----	20.0	0.0077	0.1008	12:00-----	4.92	0.0019	0.0494
2:00-----	2.30	0.0009	0.0136	6:00-----	7.78	0.0030	0.0218	:05-----	21.3	0.0082	0.1015				
12:00-----	2.30	0.0009	0.0226	7:00-----	7.30	0.0028	0.0247	:10-----	23.0	0.0089	0.1022	Dec. 21			
Dec. 9				8:00-----	7.07	0.0027	0.0274	:15-----	24.9	0.0096	0.1030	a. m.			
a. m.				9:00-----	6.84	0.0026	0.0301	:20-----	27.2	0.0105	0.1038	1:30-----	4.82	0.0019	0.0028
2:00-----	2.20	0.0008	0.0018	10:00-----	6.61	0.0026	0.0327	:25-----	28.7	0.0111	0.1047	4:30-----	4.65	0.0018	0.0082
6:00-----	2.10	0.0008	0.0050	11:30-----	6.39	0.0025	0.0365	:30-----	30.3	0.0117	0.1057	9:00-----	4.48	0.0017	0.0158
12:00-----	2.10	0.0008	0.0098	p. m.				:35-----	31.9	0.0123	0.1067				
p. m.				1:30-----	6.17	0.0024	0.0415	:40-----	34.2	0.0132	0.1078	a. m.			
1:00-----	2.20	0.0008	0.0106	4:00-----	5.96	0.0023	0.0473	:50-----	36.5	0.0141	0.1101	1:00-----	4.32	0.0017	0.0226
5:00-----	2.20	0.0008	0.0138	6:30-----	5.76	0.0022	0.0531	3:00-----	37.1	0.0143	0.1125	p. m.			
10:00-----	2.30	0.0009	0.0178	9:30-----	5.56	0.0021	0.0594	:10-----	37.7	0.0146	0.1149	1:00-----	4.32	0.0017	0.0311
12:00-----	2.30	0.0009	0.0196	12:00-----	5.18	0.0020	0.0644	:15-----	37.7	0.0146	0.1161	6:00-----	4.32	0.0017	0.0375
Dec. 10				Dec. 14				:20-----	37.1	0.0143	0.1173	10:00-----	4.16	0.0016	0.0407
a. m.				a. m.				:40-----	34.8	0.0134	0.1219	12:00-----	4.01	0.0015	0.0407
3:00-----	2.30	0.0009	0.0027	3:00-----	5.00	0.0019	0.0057	:50-----	33.0	0.0127	0.1263	Dec. 22			
9:00-----	2.20	0.0008	0.0081	6:00-----	4.82	0.0019	0.0114	:20-----	31.9	0.0123	0.1305	a. m.			
p. m.				8:30-----	4.65	0.0018	0.0162	:40-----	29.8	0.0115	0.1345	4:30-----	3.86	0.0015	0.0068
2:00-----	2.10	0.0008	0.0121	11:00-----	4.48	0.0017	0.0204	:50-----	27.7	0.0107	0.1382	10:00-----	3.86	0.0015	0.0151
7:00-----	2.01	0.0008	0.0161	p. m.				5:00-----	25.8	0.0100	0.1416	p. m.			
12:00-----	2.01	0.0008	0.0201	8:00-----	4.48	0.0017	0.0357	:20-----	24.9	0.0096	0.1449	1:00-----	3.72	0.0014	0.0193
Dec. 11				11:00-----	4.32	0.0017	0.0408	:40-----	23.5	0.0091	0.1480	3:00-----	3.72	0.0014	0.0277
a. m.				12:00-----	4.16	0.0016	0.0425	6:00-----	22.5	0.0087	0.1510	7:00-----	3.58	0.0014	0.0312
5:00-----	1.93	0.0007	0.0035	Dec. 15				:20-----	21.7	0.0084	0.1538	12:00-----	3.44	0.0013	0.0347
10:00-----	1.93	0.0007	0.0070	a. m.				:40-----	20.8	0.0080	0.1565	Dec. 23			
p. m.				5:00-----	4.01	0.0015	0.0075	7:00-----	20.4	0.0079	0.1592	a. m.			
2:00-----	1.85	0.0007	0.0098	12:00-----	4.01	0.0015	0.0360	:20-----	19.6	0.0076	0.1618	5:00-----	3.31	0.0013	0.0065
12:00-----	1.85	0.0007	0.0168	Dec. 16				:40-----	19.1	0.0074	0.1643	9:00-----	3.31	0.0013	0.0117
Dec. 12				a. m.				9:00-----	17.9	0.0069	0.1715	12:00-----	3.06	0.0012	0.0177
a. m.				12:55-----	4.01	0.0015	0.0014	10:00-----	16.8	0.0065	0.1782	p. m.			
7:00-----	1.85	0.0007	0.0049	1:20-----	4.32	0.0017	0.0021	11:00-----	16.0	0.0062	0.1845	2:00-----	2.94	0.0011	0.0232
10:00-----	1.93	0.0007	0.0070	:40-----	4.65	0.0018	0.0027	12:00-----	14.9	0.0058	0.1905	7:00-----	2.83	0.0011	0.0265
12:00-----	2.01	0.0008	0.0086	2:00-----	5.18	0.0020	0.0033	a. m.				10:00-----	2.83	0.0011	0.0287
p. m.				:20-----	5.96	0.0023	0.0040	:50-----	11.6	0.0045	0.0255	12:00-----	2.83	0.0011	0.0287
12:40-----	2.10	0.0008	0.0091	:40-----	6.17	0.0024	0.0044	6:00-----	11.3	0.0044	0.0300	Dec. 24			
1:20-----	2.20	0.0008	0.0096	:50-----	6.84	0.0026	0.0048	7:00-----	11.0	0.0042	0.0343	a. m.			
:40-----	2.30	0.0009	0.0099	3:00-----	7.30	0.0028	0.0053	8:00-----	10.7	0.0041	0.0384	4:00-----	2.72	0.0010	0.0044
2:00-----	2.40	0.0009	0.0102	:20-----	8.28	0.0032	0.0058	10:00-----	10.1	0.0039	0.0424	9:00-----	2.61	0.0010	0.0094
:20-----	2.61	0.0010	0.0105	:40-----	9.60	0.0037	0.0064	1:30-----	9.87	0.0038	0.0482	12:00-----	2.61	0.0010	0.0124
:40-----	2.72	0.0010	0.0108	:50-----	10.7	0.0041	0.0071	p. m.				p. m.			
3:00-----	2.94	0.0011	0.0111	:25-----	11.6	0.0045	0.0075	3:00-----	9.60	0.0037	0.0537	1:30-----	2.72	0.0010	0.0139
:20-----	3.06	0.0012	0.0115	:30-----	12.5	0.0048	0.0079	5:00-----	9.33	0.0036	0.0629	4:00-----	2.83	0.0011	0.0164
:40-----	3.58	0.0014	0.0124	:35-----	13.8	0.0053	0.0083	7:00-----	9.06	0.0035	0.0699	7:00-----	2.83	0.0011	0.0197
:20-----	3.86	0.0015	0.0129	:40-----	15.3	0.0059	0.0088	9:00-----	8.80	0.0034	0.0769				



TABLE 20.—Run-off from watershed 95, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Dec. 25				Dec. 27				Dec. 29				Dec. 29			
p. m.				p. m.				a. m.				p. m.			
1:00-----	2.61	0.0010	0.0130	6:40-----	12.9	0.0050	0.0242	2:48-----	42.7	0.0164	0.0252	4:20-----	27.7	0.0107	0.2941
5:00-----	2.72	.0010	.0170	7:00-----	14.2	.0055	.0259	:56-----	46.8	.0180	.0274	:40-----	27.2	.0105	.2976
9:00-----	2.61	.0010	.0210	:25-----	15.7	.0061	.0283	3:00-----	51.0	.0196	.0287	6:00-----	27.2	.0105	.3116
10:40-----	2.61	.0010	.0227	:45-----	15.7	.0061	.0303	:04-----	54.0	.0208	.0301	7:00-----	27.7	.0107	.3222
12:00-----	2.72	.0010	.0240	8:30-----	14.9	.0058	.0348	:08-----	57.1	.0220	.0315	8:40-----	27.7	.0107	.3400
Dec. 26				9:00-----	14.2	.0055	.0376	:12-----	61.9	.0239	.0330	9:20-----	27.2	.0105	.3470
a. m.				:20-----	13.5	.0052	.0394	:20-----	68.7	.0265	.0364	10:00-----	26.7	.0103	.3540
12:30-----	2.83	.0011	.0006	:40-----	12.9	.0050	.0411	:32-----	76.1	.0293	.0420	12:00-----	26.3	.0102	.3744
1:00-----	2.94	.0011	.0011	10:20-----	12.2	.0047	.0443	:40-----	84.0	.0324	.0462				
:20-----	3.06	.0012	.0015	12:00-----	11.9	.0046	.0521	:50-----	87.0	.0335	.0517	Dec. 30			
2:00-----	3.31	.0013	.0024	Dec. 28				:55-----	88.0	.0339	.0545	a. m.			
:30-----	3.44	.0013	.0031	a. m.				4:00-----	88.0	.0339	.0573	1:00-----	25.3	.0098	.0100
3:00-----	3.72	.0014	.0038	1:20-----	11.9	.0046	.0061	:05-----	90.2	.0348	.0602	2:00-----	24.9	.0096	.0197
4:00-----	4.01	.0015	.0053	2:00-----	11.6	.0045	.0091	:10-----	88.0	.0339	.0631	3:00-----	24.4	.0094	.0292
5:00-----	4.32	.0017	.0069	3:20-----	11.0	.0042	.0150	:20-----	85.0	.0328	.0688	4:00-----	23.9	.0092	.0385
6:20-----	4.48	.0017	.0092	5:00-----	10.4	.0040	.0218	:40-----	81.0	.0312	.0799	5:00-----	23.5	.0091	.0476
7:00-----	4.32	.0017	.0103	6:40-----	9.87	.0038	.0283	:00-----	76.1	.0293	.1007	6:00-----	23.0	.0089	.0566
8:30-----	4.16	.0016	.0127	8:40-----	9.33	.0036	.0357	:30-----	74.2	.0286	.1055	7:00-----	22.1	.0085	.0653
10:00-----	3.86	.0015	.0151	10:40-----	8.80	.0034	.0427	:40-----	73.3	.0283	.1102	8:00-----	21.7	.0084	.0738
11:00-----	3.72	.0014	.0165	12:00-----	8.54	.0033	.0471	6:00-----	69.6	.0268	.1194	9:20-----	20.4	.0079	.0846
p. m.								:20-----	66.1	.0255	.1281	11:00-----	19.6	.0076	.0976
12:30-----	3.58	.0014	.0186	p. m.				:40-----	61.9	.0239	.1365				
3:30-----	3.44	.0013	.0228	1:40-----	8.28	.0032	.0526	7:00-----	57.9	.0223	.1440	p. m.			
7:00-----	3.31	.0013	.0273	3:40-----	8.03	.0031	.0588	:20-----	54.0	.0208	.1512	1:00-----	18.7	.0072	.1124
10:00-----	3.18	.0012	.0309	5:00-----	7.78	.0030	.0628	:40-----	50.3	.0194	.1579	2:20-----	18.3	.0071	.1220
12:00-----	3.18	.0012	.0333	7:00-----	7.78	.0030	.0688	8:00-----	48.9	.0188	.1643	4:00-----	17.9	.0069	.1336
Dec. 27				:30-----	8.28	.0032	.0704	:20-----	47.5	.0183	.1703	5:20-----	17.5	.0068	.1427
a. m.				8:20-----	9.33	.0036	.0732	:40-----	47.5	.0183	.1764	6:20-----	17.2	.0066	.1494
2:00-----	3.06	.0012	.0024	9:00-----	10.4	.0040	.0757	9:00-----	48.2	.0186	.1825	8:00-----	16.4	.0063	.1603
5:00-----	2.94	.0011	.0060	10:00-----	11.0	.0042	.0798	:20-----	48.9	.0188	.1887	9:20-----	16.0	.0062	.1686
10:00-----	2.94	.0011	.0115	:40-----	11.6	.0045	.0827	:40-----	49.6	.0191	.1950	10:40-----	15.7	.0061	.1769
Dec. 29				11:20-----	12.2	.0047	.0858	10:00-----	49.6	.0191	.2013	12:00-----	15.3	.0059	.1849
a. m.				:40-----	13.5	.0052	.0874	:20-----	50.3	.0194	.2077				
1:00-----	2.83	.0011	.0148	12:00-----	14.2	.0055	.0892	:30-----	49.6	.0191	.2173	Dec. 31			
3:30-----	2.83	.0011	.0176	Dec. 29				:50-----	48.9	.0188	.2204	a. m.			
4:20-----	3.06	.0012	.0185	a. m.				11:00-----	46.8	.0180	.2265	1:00-----	14.9	.0058	.0058
4:40-----	3.31	.0013	.0189	12:20-----	15.7	.0061	.0019	:20-----	45.4	.0175	.2324	2:40-----	14.2	.0055	.0153
:56-----	3.58	.0014	.0193	:40-----	17.9	.0069	.0041	:40-----	42.7	.0164	.2380	5:00-----	13.5	.0052	.0277
5:00-----	3.86	.0015	.0194	1:00-----	19.6	.0076	.0065	p. m.				7:30-----	12.9	.0050	.0405
:12-----	4.16	.0016	.0197	:20-----	22.1	.0085	.0092	12:20-----	40.8	.0157	.2434	9:00-----	12.5	.0048	.0479
:24-----	4.82	.0019	.0200	:40-----	23.9	.0092	.0121	:40-----	38.9	.0150	.2485	10:30-----	12.2	.0047	.0551
:40-----	5.96	.0023	.0206	2:00-----	26.3	.0102	.0153	1:00-----	37.1	.0143	.2534	12:00-----	11.9	.0046	.0620
:50-----	6.84	.0026	.0210	:16-----	28.2	.0109	.0181	:20-----	35.9	.0139	.2581	p. m.			
6:00-----	7.78	.0030	.0215	:20-----	29.8	.0115	.0188	:40-----	34.8	.0134	.2626	3:00-----	11.6	.0045	.0758
:10-----	9.33	.0036	.0221	:32-----	33.0	.0127	.0212	2:00-----	33.6	.0130	.2670	5:00-----	11.6	.0045	.0848
:20-----	11.0	.0042	.0227	:36-----	35.3	.0136	.0221	:20-----	31.9	.0123	.2712	7:30-----	11.3	.0044	.0958
				:40-----	38.9	.0150	.0231	3:00-----	30.3	.0117	.2792	10:00-----	11.0	.0042	.1066
								4:00-----	28.2	.0109	.2905	12:00-----	10.7	.0041	.1150



TABLE 21.—Run-off from watershed 97, 1940

LOCATION: Latitude 40°21'51'', longitude 81°50'20''.

## PHYSICAL CHARACTERISTICS:

*Drainage area.*—7.16 square miles (4,581 acres).*Length of principal watercourse.*—29,500 feet.*Topography.*—The area is highly dissected and well drained and has steep slopes of moderate length. Aspect is to the southwest. Eighteen major and numerous minor tributaries enter the main channel above the gaging station and contribute nearly continuous flow.*Slope.*—Slope distribution and average slope on this watershed have not been determined. In general the valleys are narrow and have high gradients. In the lower 18,000 feet of the central valley there is considerable opportunity for channel and valley storage of flood flows. Slopes range from 5 to over 30 percent with most of the area on the steeper part.*Erosion condition.*—50 to 75 percent of the topsoil has been removed by sheet erosion from all the watershed except the alluvial areas and woodlands. There are occasional gullies more than 100 feet apart on 5 percent of the area, frequent gullies less than 100 feet apart on 60 acres, and land slips on 2 percent of the area, all estimated. Six acres have been so dissected by large and frequent gullies as to be unfit for agricultural use.*Soil.*—Keene silt loam is the predominant soil.

## LAND USE AND VEGETAL COVER:

*Land use.*—Mixed cover, conservation practices on part of the area.*Vegetal cover and soil condition.*—See table 10.

## MEASUREMENTS:

*Precipitation.*—Rainfall was measured at 10 recording rain gages, 1, 7, 8, 14, 27, 29, 44, 47, 54, and 56, and 50 non-recording gages (fig. 1). Snowfall was measured in the nonrecording gages supplemented by snow boards. Snow inventory on the watershed was based on surveys and observations made on typical areas near project headquarters.*Run-off.*—Run-off was measured by current-meter station with Columbus deep-notch weir control. The records of run-off are excellent. The rating curve was established from 39 discharge measurements made at discharges of less than 800 c. f. s.*Soil loss.*—Records of soil loss were not obtained.*Changes in instrumentation during year.*—None.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, OCTOBER 1937 TO DECEMBER 1940:

*Rainfall.*—Total precipitation for the year 1940, 46.95 inches; average annual precipitation for period of record, 42.29 inches.*Run-off.*—Annual run-off amount 1940, 18.46 inches; maximum rate of run-off for period of record, 0.168 inch per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Jan. 1	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Jan. 4	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Jan. 8	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Jan. 13	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
a. m.				p. m.				p. m.				a. m.			
3:00-----	0.31	0.0001	0.0002	3:00-----	0.14	T	0.0004	3:00-----	0.27	T	0.0007	3:00-----	0.77	0.0002	0.0005
4:00-----	.29	.0001	.0003	4:30-----	.15	T	.0004	6:00-----	.29	0.0001	.0009	5:00-----	.77	.0002	.0008
6:00-----	.27	.0000	.0004	8:00-----	.16	T	.0005	10:00-----	.31	.0001	.0011	11:30-----	.69	.0001	.0018
10:00-----	.27	.0000	.0006	10:00-----	.16	T	.0006	12:00-----	.31	.0001	.0012				
				12:00-----	.18	T	.0007								
p. m.				Jan. 5				Jan. 9				p. m.			
12:40-----	.35	.0001	.0008	a. m.				a. m.				12:30-----	.73	.0002	.0020
2:00-----	.37	.0001	.0009	4:30-----	.19	T	.0002	6:30-----	.31	.0001	.0004	3:00-----	.85	.0002	.0024
4:00-----	.37	.0001	.0009	12:00-----	.22	T	.0005	11:00-----	.27	T	.0007	5:00-----	1.04	.0002	.0028
4:00-----	.35	.0001	.0010					p. m.				7:20-----	1.28	.0003	.0034
8:00-----	.35	.0001	.0013	2:30-----	.22	T	.0006	3:00-----	.29	.0001	.0009	9:30-----	1.76	.0004	.0041
10:00-----	.33	.0001	.0014	5:00-----	.25	T	.0007	7:00-----	.29	.0001	.0011	10:30-----	2.02	.0004	.0045
12:00-----	.33	.0001	.0015	12:00-----	.25	T	.0011	12:00-----	.24	T	.0014	11:30-----	2.20	.0005	.0049
												12:00-----	2.20	.0005	.0051
Jan. 2				Jan. 6				Jan. 10				Jan. 14			
a. m.				a. m.				a. m.				a. m.			
3:30-----	.27	T	.0002	2:00-----	.25	T	.0001	3:00-----	.22	T	.0001	12:30-----	2.30	.0005	.0002
6:00-----	.24	T	.0003	4:30-----	.24	T	.0002	7:30-----	.20	T	.0003	4:00-----	2.59	.0005	.0020
9:00-----	.20	T	.0004	10:00-----	.19	T	.0004	10:00-----	.20	T	.0004	6:10-----	2.80	.0006	.0033
10:00-----	.20	T	.0004					12:00-----	.22	T	.0005	.15-----	2.80	.0006	
p. m.				p. m.				p. m.				.20-----	2.91	.0006	
1:30-----	.24	T	.0006	1:00-----	.19	T	.0005	9:00-----	.27	T	.0010	.40-----	3.03	.0006	.0035
5:00-----	.27	T	.0008	4:00-----	.22	T	.0006	12:00-----	.27	T	.0012	7:00-----	3.25	.0007	.0037
10:00-----	.25	T	.0011	7:00-----	.22	T	.0007					.20-----	3.51	.0008	.0039
12:00-----	.24	T	.0012	10:30-----	.19	T	.0009	Jan. 11				.30-----	3.77	.0008	.0040
				12:00-----	.18	T	.0009	a. m.				.40-----	4.20	.0009	.0041
Jan. 3								7:00-----	.29	.0001	.0004	.50-----	4.97	.0011	.0043
a. m.				Jan. 7				9:00-----	.29	.0001	.0005	8:00-----	6.17	.0013	.0045
1:30-----	.20	T	.0001	a. m.				12:00-----	.31	.0001	.0007	.10-----	7.52	.0016	.0047
4:00-----	.20	T	.0002	9:00-----	.13	T	.0003					.20-----	9.60	.0021	.0050
6:00-----	.19	T	.0003	12:00-----	.14	T	.0004	p. m.				.30-----	12.3	.0027	.0054
p. m.								6:00-----	.37	.0001	.0011	.40-----	15.5	.0034	.0059
12:30-----	.19	T	.0006	p. m.				8:30-----	.40	.0001	.0013	.50-----	20.3	.0044	.0065
3:30-----	.22	T	.0007	2:00-----	.15	T	.0005	12:00-----	.45	.0001	.0016	9:00-----	26.2	.0057	.0073
5:30-----	.22	T	.0008	6:00-----	.18	T	.0006					.20-----	37.6	.0081	.0096
10:30-----	.18	T	.0010	10:00-----	.19	T	.0008	Jan. 12				.40-----	48.7	.0105	.0127
12:00-----	.16	T	.0010	12:00-----	.19	T	.0009	a. m.				.10-----	62.1	.0134	.0167
								2:30-----	.47	.0001	.0002	.15-----	68.3	.0148	.0191
Jan. 4				Jan. 8				8:00-----	.53	.0001	.0008	.20-----	68.3	.0148	.0215
a. m.				a. m.				11:30-----	.59	.0001	.0012	.25-----	72.9	.0158	.0228
4:30-----	.12	T	.0001	3:00-----	.20	T	.0001					.40-----	76.6	.0166	.0268
7:30-----	.11	T	.0002	5:00-----	.20	T	.0002	p. m.				.45-----	89.6	.0194	.0283
11:00-----	.11	T	.0003	10:00-----	.22	T	.0004	4:00-----	.69	.0001	.0018	11:00-----	103	.0223	.0335
								6:00-----	.73	.0002	.0021	.20-----	105	.0227	.0410
								12:00-----	.73	.0002	.0030	.40-----	107	.0232	.0487
												12:00-----	105	.0227	.0564



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Jan. 14	Second-feet	Inches per hour	Inches	Jan. 18	Second-feet	Inches per hour	Inches	Jan. 30	Second-feet	Inches per hour	Inches	Feb. 6	Second-feet	Inches per hour	Inches
p. m.				a. m.				p. m.				p. m.			
12:20	107	0.0232	0.0641	10:00	2.69	0.0006	0.0058	4:00	0.69	0.0001	0.0024	8:00	24.2	0.0052	0.0214
:25	107	.0232	.0660	11:30	2.80	.0006	.0067	6:00	.73	.0002	.0027	9:00	21.6	.0047	.0264
:40	105	.0227	.0718					12:00	.73	.0002	.0036	10:00	19.6	.0042	.0308
1:00	100	.0216	.0792	p. m.								11:00	17.6	.0038	.0348
:20	91.5	.0198	.0861	1:30	3.14	.0007	.0080	Jan. 31				12:00	15.0	.0032	.0383
:40	82.2	.0178	.0924	4:00	3.25	.0007	.0097	a. m.							
2:00	78.5	.0170	.0982	5:00	3.03	.0006	.0104	12:00	.69	.0001	.0018	Feb. 7			
:20	71.4	.0154	.1036	10:00	3.03	.0006	.0137	p. m.				a. m.			
:30	69.8	.0151	.1061	12:00	2.91	.0006	.0150	12:00	.65	.0001	.0035	1:00	13.0	.0028	.0030
3:00	62.1	.0134	.1132									2:00	11.6	.0025	.0056
:40	52.5	.0114	.1215	Jan. 19				Feb. 1				3:00	10.4	.0022	.0080
4:00	51.2	.0111	.1252	a. m.				12:00	.65	.0001	.0017	4:00	9.60	.0021	.0102
5:00	47.4	.0103	.1359	6:00	3.03	.0006	.0039	a. m.				5:00	8.88	.0019	.0122
6:00	40.7	.0088	.1455	9:00	3.03	.0006	.0059	12:00	.65	.0001	.0017	:30	8.64	.0019	.0132
:40	35.5	.0077	.1510	p. m.				p. m.				7:00	7.74	.0017	.0159
7:00	34.5	.0075	.1535	2:30	2.91	.0006	.0094	12:00	.62	.0001	.0033	8:30	7.11	.0015	.0183
8:00	29.5	.0065	.1605	12:00	2.59	.0005	.0151	Feb. 2				10:00	6.73	.0014	.0204
9:00	25.5	.0055	.1665					a. m.				11:30	6.54	.0014	.0225
:40	23.6	.0051	.1700	Jan. 20				12:00	.62	.0001	.0013	p. m.			
10:40	20.9	.0045	.1748	p. m.				a. m.				12:40	6.35	.0014	.0241
11:40	18.6	.0040	.1790	12:00	2.11	.0004	.0122	10:00	.62	.0001	.0013	1:30	5.64	.0012	.0252
12:00	18.1	.0039	.1803	Jan. 21				p. m.				2:00	5.14	.0011	.0258
Jan. 15				12:00	1.69	.0004	.0099	12:00	.62	.0001	.0032	3:00	4.97	.0011	.0269
a. m.				p. m.				Feb. 3				4:30	4.81	.0010	.0284
1:00	16.5	.0036	.0038	Jan. 22				a. m.				5:40	4.50	.0010	.0296
2:00	14.5	.0031	.0072	10:30	1.62	.0004	.0038	12:00	.62	.0001	.0016	7:00	4.35	.0009	.0309
3:00	13.4	.0029	.0102	p. m.				12:00	.62	.0001	.0032	8:00	4.35	.0009	.0318
4:00	12.3	.0027	.0130	12:00	1.47	.0003	.0083	Feb. 4				10:00	4.05	.0009	.0336
5:00	11.6	.0025	.0156	Jan. 23				a. m.				12:00	3.77	.0008	.0353
6:00	10.6	.0023	.0180	a. m.				12:00	.62	.0001	.0016	Feb. 8			
7:00	10.1	.0022	.0202	12:00	1.34	.0003	.0036	p. m.				2:00	3.51	.0008	.0016
:30	9.86	.0021	.0213	p. m.				12:00	.62	.0001	.0032	3:00	3.38	.0007	.0023
:40	8.88	.0019	.0243	12:00	1.28	.0003	.0070	Feb. 5				5:00	3.25	.0007	.0037
10:00	8.64	.0019	.0262	Jan. 24				p. m.				7:00	3.03	.0006	.0051
p. m.				a. m.				12:00	.62	.0001	.0032	9:30	2.91	.0006	.0067
1:20	8.40	.0018	.0322	12:00	1.15	.0002	.0032	Feb. 6				12:00	3.03	.0006	.0083
2:00	8.18	.0018	.0334	p. m.				a. m.				4:00	3.38	.0007	.0111
3:00	7.96	.0017	.0352	12:00	1.09	.0002	.0061	1:40	.62	.0001	.0018	5:00	3.38	.0007	.0118
4:30	7.74	.0017	.0378	Jan. 25				4:00	.65	.0001	.0021	8:00	3.03	.0006	.0139
6:00	7.74	.0017	.0404	p. m.				9:00	.69	.0001	.0028	12:00	2.91	.0006	.0165
7:00	6.92	.0015	.0420	12:00	1.09	.0002	.0061	12:00	.69	.0001	.0032	a. m.			
:30	6.73	.0014	.0427	Jan. 26				p. m.				4:00	2.91	.0006	.0025
8:20	5.64	.0012	.0438	a. m.				1:40	.62	.0001	.0018	7:00	2.80	.0006	.0043
9:00	5.64	.0012	.0446	12:00	1.15	.0002	.0032	4:00	.65	.0001	.0021	10:30	2.80	.0006	.0064
:20	5.46	.0012	.0450	p. m.				9:00	.69	.0001	.0028	p. m.			
10:30	4.65	.0010	.0463	12:00	1.09	.0002	.0061	12:00	.69	.0001	.0032	4:00	2.91	.0006	.0025
11:00	4.35	.0009	.0468	Jan. 27				Feb. 6				7:00	2.80	.0006	.0043
12:00	3.64	.0008	.0477	a. m.				a. m.				10:30	2.80	.0006	.0064
Jan. 16				12:00	1.09	.0002	.0061	3:00	.69	.0001	.0004	p. m.			
a. m.				Jan. 25				6:30	.73	.0002	.0009	1:00	2.80	.0006	.0079
1:00	3.03	.0006	.0007	p. m.				7:40	.73	.0002	.0011	:20	2.80	.0006	.0081
2:20	2.80	.0006	.0015	12:00	.99	.0002	.0034	8:00	.77	.0002	.0011	:40	2.80	.0006	.0083
3:30	3.03	.0006	.0022	12:00	.90	.0002	.0052	:20	.77	.0002	.0011	2:00	2.80	.0006	.0085
5:00	3.51	.0008	.0033	Jan. 26				:40	.81	.0002	.0012	:20	2.80	.0006	.0087
6:00	3.77	.0008	.0041	a. m.				:40	.90	.0002	.0012	:40	2.91	.0006	.0089
7:30	4.05	.0009	.0054	12:00	.85	.0002	.0023	9:00	.95	.0002	.0013	3:00	2.91	.0006	.0091
9:00	4.20	.0009	.0067	p. m.				:20	.99	.0002	.0014	:20	3.03	.0006	.0093
:50	4.35	.0009	.0075	12:00	.90	.0002	.0046	:40	.99	.0002	.0014	:40	3.03	.0006	.0095
11:00	4.97	.0011	.0087	Jan. 27				10:00	1.15	.0002	.0015	4:00	3.14	.0007	.0097
p. m.				a. m.				:20	1.28	.0003	.0016	:20	3.25	.0007	.0099
12:30	6.35	.0014	.0105	5:00	.69	.0001	.0008	:40	1.34	.0003	.0017	:40	3.38	.0007	.0101
1:30	6.92	.0015	.0119	9:00	.62	.0001	.0014	11:00	1.40	.0003	.0018	:40	3.38	.0007	.0103
2:30	6.92	.0015	.0134	p. m.				:20	1.47	.0003	.0019	5:00	3.38	.0007	.0103
4:00	6.35	.0014	.0155	1:00	.62	.0001	.0019	:40	1.62	.0004	.0020	:20	3.51	.0008	.0105
:50	5.99	.0013	.0167	2:30	.65	.0001	.0021	12:00	1.62	.0004	.0021	:40	3.64	.0008	.0107
6:00	5.30	.0011	.0181	5:30	.65	.0001	.0025	p. m.				6:00	3.64	.0008	.0110
:50	4.81	.0010	.0189	12:00	.81	.0002	.0035	12:20	1.69	.0004	.0022	:20	3.77	.0008	.0113
8:10	4.35	.0009	.0202	Jan. 28				:40	1.76	.0004	.0023	:40	3.90	.0008	.0116
9:40	4.05	.0009	.0216	a. m.				1:00	1.94	.0004	.0024	7:00	4.05	.0009	.0119
11:00	3.90	.0008	.0228	12:00	.73	.0002	.0020	:20	2.11	.0004	.0025	:20	4.20	.0009	.0122
12:00	3.77	.0008	.0236	p. m.				:40	2.49	.0005	.0027	:40	4.50	.0010	.0125
Jan. 17				12:00	.73	.0002	.0039	2:00	2.91	.0006	.0029	8:00	4.81	.0010	.0128
a. m.				Jan. 29				:20	3.25	.0007	.0031	:20	4.97	.0011	.0131
2:00	3.64	.0008	.0016	a. m.				:40	3.77	.0008	.0033	:40	5.30	.0011	.0135
6:30	3.64	.0008	.0051	12:00	.69	.0001	.0018	3:00	4.05	.0009	.0036	9:00	5.82	.0012	.0139
8:00	3.51	.0008	.0063	p. m.				:20	4.50	.0010	.0039	:20	6.17	.0013	.0143
10:00	3.51	.0008	.0078	12:00	.73	.0002	.0039	:40	5.46	.0012	.0043	:40	6.73	.0014	.0148
11:30	3.77	.0008	.0090	Jan. 29				4:00	5.99	.0013	.0047	10:00	7.52	.0016	.0153
p. m.				a. m.				:10	6.17	.0013	.0049	:20	8.40	.0018	.0159
12:40	4.05	.0009	.0100	12:00	.69	.0001	.0018	:20	7.30	.0016	.0051	:40	9.12	.0020	.0165
2:30	4.20	.0009	.0116	p. m.				:30	9.86	.0021	.0054	11:00	9.86	.0021	.0172
3:00	4.20	.0009	.0120	12:00	.69	.0001	.0018	:40	11.6	.0025	.0058	:20	10.6	.0023	.0179
6:00	3.64	.0008	.0145	12:00	.69	.0001	.0036	:40	13.7	.0030	.0067	:40	11.2	.0024	.0187
10:00	2.80	.0006	.0173					5:00	17.6	.0038	.0078	12:00	11.9	.0026	.0195
12:00	2.69	.0006	.0185					:20	20.9	.0045	.0092	Feb. 10			
								6:00	23.6	.0051	.0108	a. m.			
								:30	24.9	.0054	.0134	12:20	12.3	.0027	.0009
								7:30	24.9	.0054	.0188	:40	13.0	.0028	.0018



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 10				Feb. 11				Feb. 15				Feb. 18			
<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
1:00	13.4	0.0029	0.0027	10:30	25.5	0.0055	0.0911	12:30	9.86	0.0021	0.0187	4:40	15.5	0.0034	0.0279
:20	14.1	0.0030	0.0037	11:00	25.5	0.0055	.0939	1:00	10.6	0.0023	.0178	5:00	15.0	0.0032	.0290
:40	14.5	0.0031	.0047	12:00	23.6	.0051	.0992	:20	10.4	.0022	.0185	:20	15.0	.0032	.0301
2:00	15.0	.0032	.0058					:50	10.4	.0022	.0196	:40	15.5	.0034	.0312
:20	15.0	.0032	.0069	<i>p. m.</i>				3:00	9.60	.0021	.0222	6:00	15.5	.0034	.0323
:40	15.0	.0032	.0080	1:00	22.9	.0050	.1042	4:20	8.40	.0018	.0248	:20	15.5	.0034	.0334
3:00	14.5	.0031	.0091	2:40	22.9	.0050	.1125	5:00	7.96	.0017	.0260	:40	16.0	.0035	.0345
:20	14.5	.0031	.0101	3:00	23.6	.0051	.1142	6:40	7.30	.0016	.0287	7:00	16.0	.0035	.0357
:40	14.1	.0030	.0111	4:00	25.5	.0055	.1195	8:20	6.54	.0014	.0312	:20	16.0	.0035	.0369
4:00	14.1	.0030	.0121	5:00	27.0	.0058	.1251	10:30	5.46	.0012	.0340	:40	16.5	.0036	.0381
:20	13.7	.0030	.0131	:10	27.9	.0060	.1261	12:00	5.14	.0011	.0358	8:00	16.5	.0036	.0393
:40	13.7	.0030	.0141	6:20	27.9	.0060	.1331					:20	17.0	.0037	.0405
5:00	13.4	.0029	.0151	7:00	27.0	.0058	.1370	Feb. 16				:40	17.0	.0037	.0417
:10	13.0	.0028	.0156	8:00	24.9	.0054	.1426	<i>a. m.</i>				9:00	17.6	.0038	.0430
:20	13.0	.0028	.0161	:30	23.6	.0051	.1452	1:20	4.65	.0010	.0013	:20	17.6	.0038	.0443
:40	13.4	.0029	.0170	10:00	20.9	.0045	.1524	3:00	4.50	.0010	.0029	12:00	17.6	.0038	.0544
6:00	13.4	.0029	.0180	11:20	19.1	.0041	.1581	5:30	4.35	.0009	.0053				
:20	13.0	.0028	.0189	12:00	18.1	.0039	.1608	8:00	4.50	.0010	.0077	Feb. 19			
:40	13.0	.0028	.0198					10:00	4.65	.0010	.0097	<i>a. m.</i>			
7:00	13.0	.0028	.0207	Feb. 12				12:00	6.17	.0013	.0121	12:20	17.6	.0038	.0013
:20	13.0	.0028	.0216	<i>a. m.</i>								:40	17.6	.0038	.0026
:40	12.6	.0027	.0225	2:00	16.0	.0035	.0074	<i>p. m.</i>				1:00	17.6	.0038	.0039
8:00	12.6	.0027	.0234	4:00	14.5	.0031	.0140	12:40	6.54	.0014	.0130	:20	18.1	.0039	.0052
:20	12.6	.0027	.0243	6:30	13.4	.0029	.0215	1:20	6.73	.0014	.0139	:40	18.1	.0039	.0065
:40	12.6	.0027	.0252	8:30	12.6	.0027	.0271	4:30	6.73	.0014	.0183	:50	18.1	.0039	.0077
9:00	12.6	.0027	.0261	10:00	12.3	.0027	.0311	5:30	6.54	.0014	.0197	2:00	18.1	.0039	.0089
:20	13.0	.0028	.0270	11:00	11.6	.0025	.0337	7:00	5.99	.0013	.0218	3:00	18.6	.0040	.0117
:40	13.0	.0028	.0279	12:00	12.3	.0027	.0363	9:00	5.30	.0011	.0242	4:00	18.6	.0040	.0157
10:00	13.0	.0028	.0288					10:40	4.65	.0010	.0259	:40	19.1	.0041	.0184
:20	13.0	.0028	.0297	<i>p. m.</i>				11:20	4.50	.0010	.0265	6:00	19.1	.0041	.0239
:40	13.4	.0029	.0306	1:00	13.4	.0029	.0391	12:00	4.35	.0009	.0271	7:00	19.6	.0042	.0281
11:00	13.4	.0029	.0316	2:00	16.0	.0035	.0423	Feb. 17				8:00	20.9	.0045	.0325
:20	13.4	.0029	.0326	3:00	19.1	.0041	.0461	<i>a. m.</i>				9:00	22.2	.0048	.0371
:40	13.4	.0029	.0336	4:00	22.9	.0050	.0507	1:00	4.20	.0009	.0009	10:00	22.9	.0050	.0420
12:00	14.1	.0030	.0346	:50	24.2	.0052	.0549	3:30	3.64	.0008	.0030	11:30	24.9	.0054	.0498
				6:00	26.2	.0057	.0612	6:00	3.51	.0008	.0049	<i>p. m.</i>			
12:20	14.5	.0031	.0356	:20	26.2	.0057	.0631	9:00	3.64	.0008	.0072	12:20	28.7	.0062	.0546
:40	15.0	.0032	.0367	8:00	24.2	.0052	.0721	:40	3.77	.0008	.0077	1:00	33.7	.0073	.0591
1:00	15.0	.0032	.0378	10:00	20.9	.0045	.0817	10:20	4.35	.0009	.0083	:30	38.7	.0084	.0630
:20	15.5	.0034	.0389	12:00	18.1	.0039	.0901	11:00	4.97	.0011	.0090	2:00	43.9	.0095	.0675
:40	16.5	.0036	.0401					:40	5.30	.0011	.0097	3:00	51.2	.0111	.0778
2:00	17.0	.0037	.0413	Feb. 13				10:20	4.35	.0009	.0083	4:00	57.5	.0124	.0896
:20	18.1	.0039	.0426	<i>a. m.</i>				11:00	4.97	.0011	.0090	5:10	63.7	.0138	.1049
:40	19.1	.0041	.0439	2:00	16.0	.0035	.0074	:40	5.30	.0011	.0097	:50	65.2	.0141	.1142
:50	19.6	.0042	.0446	3:30	15.0	.0032	.0125	12:20	5.14	.0011	.0104	6:30	65.2	.0141	.1236
3:00	19.6	.0042	.0453	5:30	14.1	.0030	.0187	1:50	5.99	.0013	.0122	7:00	63.7	.0138	.1306
:10	19.6	.0042	.0460	8:30	13.0	.0028	.0274	3:00	5.64	.0012	.0136	8:00	60.6	.0131	.1440
:20	20.3	.0044	.0467	11:30	11.9	.0026	.0355	:30	5.64	.0012	.0142	9:00	57.5	.0124	.1568
:40	21.6	.0047	.0482					5:40	6.73	.0014	.0170	10:00	55.0	.0119	.1690
4:00	22.9	.0050	.0498	<i>p. m.</i>				7:00	6.73	.0014	.0189	11:00	52.5	.0114	.1806
:10	22.9	.0050	.0506	1:00	11.6	.0025	.0394	8:30	6.54	.0014	.0210	12:00	49.9	.0108	.1917
:20	24.2	.0052	.0514	7:00	10.6	.0023	.0538	12:00	5.99	.0013	.0259				
:40	29.5	.0065	.0533	9:30	10.4	.0022	.0593	Feb. 18				<i>a. m.</i>			
5:00	37.6	.0081	.0557	10:30	9.86	.0021	.0615	2:00	5.82	.0012	.0024	12:40	47.4	.0103	.0071
:20	46.2	.0100	.0587	12:00	8.64	.0019	.0645	5:00	5.64	.0012	.0060	1:50	44.9	.0097	.0188
:40	65.2	.0141	.0627					6:00	5.64	.0012	.0072	3:00	42.8	.0093	.0299
6:00	85.9	.0186	.0682	Feb. 14				:40	5.64	.0012	.0080	4:40	39.7	.0086	.0449
:20	110	.0238	.0753	<i>a. m.</i>				7:00	5.64	.0012	.0084	6:00	37.6	.0081	.0561
:40	137	.0296	.0842	1:30	8.18	.0018	.0027	:20	5.64	.0012	.0088	7:20	35.5	.0077	.0666
7:00	167	.0362	.0952	3:00	7.74	.0017	.0054	4:00	5.82	.0012	.0092	8:40	33.7	.0073	.0766
:20	202	.0437	.1085	4:30	6.92	.0015	.0078	:20	5.64	.0012	.0096	10:00	32.0	.0069	.0861
:40	229	.0496	.1240	6:20	6.17	.0013	.0104	8:00	5.82	.0012	.0106	11:00	31.2	.0068	.0929
8:00	232	.0502	.1406	7:10	5.99	.0013	.0115	:20	5.99	.0013	.0104	:30	31.2	.0068	.0963
:20	213	.0461	.1567	8:10	6.54	.0014	.0129	4:00	5.99	.0013	.0104	<i>p. m.</i>			
:40	189	.0409	.1712	9:00	6.73	.0014	.0141	9:00	6.17	.0013	.0108	12:10	32.0	.0069	.1008
9:00	176	.0381	.1844	10:20	7.74	.0017	.0162	:20	6.17	.0013	.0112	1:30	35.5	.0077	.1105
:20	167	.0362	.1968	11:50	9.60	.0021	.0190	:40	6.35	.0014	.0117	2:30	39.7	.0086	.1187
:40	152	.0329	.2083					10:00	6.35	.0014	.0122	3:30	42.8	.0093	.1277
10:00	140	.0303	.2188	<i>p. m.</i>				11:00	6.73	.0014	.0132	4:30	44.9	.0097	.1372
:20	130	.0281	.2285	12:30	9.86	.0021	.0204	:20	6.54	.0014	.0127	5:00	44.9	.0097	.1420
:40	114	.0247	.2373	1:20	10.1	.0022	.0222	:40	6.73	.0014	.0137	:40	43.9	.0095	.1484
11:00	107	.0232	.2453	:50	10.9	.0024	.0234	12:00	7.74	.0017	.0152	6:30	41.8	.0090	.1561
:20	98.2	.0212	.2527	3:00	10.6	.0023	.0262	<i>p. m.</i>				7:30	38.7	.0084	.1648
:40	89.6	.0194	.2595	:30	10.4	.0022	.0273	12:20	8.18	.0018	.0158	9:00	34.5	.0075	.1768
12:00	84.1	.0182	.2658	4:30	10.1	.0022	.0295	:40	8.88	.0019	.0164	10:40	31.2	.0068	.1888
				5:30	9.36	.0020	.0316	1:00	9.36	.0020	.0171	11:40	29.5	.0065	.1954
Feb. 11				6:30	8.88	.0019	.0336	:20	10.1	.0022	.0178	12:00	28.7	.0062	.1975
<i>a. m.</i>				7:10	8.64	.0019	.0349	:40	11.2	.0024	.0186	Feb. 21			
12:20	80.3	.0174	.0059	8:30	7.30	.0016	.0378	2:00	12.3	.0027	.0195	<i>a. m.</i>			
:40	72.9	.0158	.0114	11:30	6.73	.0014	.0408	:20	13.4	.0029	.0204	12:40	27.9	.0060	.0041
:50	69.8	.0151	.0140	12:00	6.54	.0014	.0415	:40	13.7	.0030	.0214	2:00	25.5	.0055	.0118
1:00	65.2	.0141	.0164					3:00	14.5	.0031	.0224	:40	23.6	.0051	.0224
:30	53.7	.0116	.0228	Feb. 15				:20	15.0	.0032	.0235	4:00	21.6	.0047	.0322
2:00	49.9	.0108	.0284	<i>a. m.</i>				:40	15.5	.0034	.0246	7:50	19.6	.0042	.0403
:30</															



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Feb. 21				Feb. 27				Mar. 2				Mar. 3			
p. m.				a. m.				a. m.				p. m.			
1:30-----	18.1	0.0039	0.0626	6:00-----	5.82	0.0012	0.0072	10:40-----	16.0	0.0035	0.0250	2:00-----	93.8	0.0203	0.5952
2:30-----	18.6	0.0040	0.0666	8:30-----	5.30	0.0011	0.0102	11:00-----	19.6	0.0042	0.0263	:20-----	93.8	0.0203	0.6020
4:00-----	19.6	0.0042	0.0728	11:00-----	4.81	0.0010	0.0127	:20-----	24.2	0.0052	0.0281	:40-----	91.5	0.0198	0.6087
5:40-----	20.3	0.0044	0.0800	12:00-----	5.14	0.0011	0.0137	:40-----	29.5	0.0065	0.0300	3:00-----	91.5	0.0198	0.6153
7:00-----	19.6	0.0042	0.0857					12:00-----	32.8	0.0071	0.0323	:20-----	91.5	0.0198	0.6219
11:00-----	16.5	0.0036	0.1013	p. m.								:40-----	93.8	0.0203	0.6286
12:00-----	15.5	0.0034	0.1048	2:00-----	6.54	0.0014	0.0161					4:00-----	93.8	0.0203	0.6354
Feb. 22				3:00-----	7.11	0.0015	0.0175	12:20-----	p. m.			:20-----	96.0	0.0208	0.6423
a. m.				4:00-----	7.30	0.0016	0.0191	:40-----	37.6	0.0081	0.0374	:40-----	96.0	0.0208	0.6492
1:40-----	14.5	0.0031	0.0056	:40-----	7.30	0.0016	0.0207	1:00-----	39.7	0.0086	0.0402	:40-----	96.0	0.0208	0.6561
2:40-----	14.1	0.0030	0.0086	7:00-----	6.73	0.0014	0.0237	:20-----	40.7	0.0088	0.0431	:10-----	100	0.0216	0.6596
5:40-----	13.4	0.0029	0.0176	8:00-----	6.54	0.0014	0.0251	:40-----	40.7	0.0088	0.0460	:20-----	107	0.0232	0.6633
8:00-----	12.6	0.0027	0.0241	10:00-----	6.35	0.0014	0.0279	2:00-----	41.8	0.0090	0.0490	:40-----	137	0.0296	0.6721
12:00-----	11.6	0.0025	0.0345	12:00-----	6.35	0.0014	0.0307	:20-----	41.8	0.0090	0.0520	:50-----	152	0.0329	0.6773
Feb. 23				Feb. 28				:40-----	41.8	0.0090	0.0550	6:00-----	155	0.0336	0.6828
a. m.				a. m.				3:00-----	42.8	0.0093	0.0581	:10-----	161	0.0348	0.6885
4:30-----	9.60	0.0021	0.0099	1:30-----	6.17	0.0013	0.0021	:20-----	42.8	0.0093	0.0612	:20-----	170	0.0368	0.6945
9:00-----	8.88	0.0019	0.0189	4:30-----	5.99	0.0013	0.0060	:40-----	42.8	0.0093	0.0643	:40-----	189	0.0409	0.7074
:40-----	8.64	0.0019	0.0202	6:30-----	5.99	0.0013	0.0086	4:00-----	42.8	0.0093	0.0674	7:00-----	213	0.0461	0.7219
10:30-----	8.64	0.0019	0.0218	9:00-----	5.82	0.0012	0.0116	:20-----	43.9	0.0095	0.0705	:20-----	232	0.0502	0.7380
11:20-----	8.88	0.0019	0.0234	11:00-----	6.17	0.0013	0.0296	:40-----	43.9	0.0095	0.0737	:30-----	236	0.0511	0.7464
p. m.				12:00-----	5.99	0.0013	0.0309	5:00-----	44.9	0.0097	0.0769	:40-----	236	0.0511	0.7549
1:00-----	8.88	0.0019	0.0266	Feb. 29				:20-----	48.7	0.0105	0.0804	:50-----	240	0.0520	0.7635
3:00-----	9.12	0.0020	0.0306	a. m.				:40-----	53.7	0.0116	0.0841	8:00-----	240	0.0520	0.7722
5:00-----	9.86	0.0021	0.0346	12:40-----	5.99	0.0013	0.0009	6:00-----	62.1	0.0134	0.0883	:20-----	240	0.0520	0.7895
6:30-----	10.1	0.0022	0.0379	2:30-----	5.82	0.0012	0.0031	:20-----	74.8	0.0162	0.0932	:40-----	236	0.0511	0.8067
9:30-----	10.1	0.0022	0.0445	5:30-----	5.64	0.0012	0.0067	:40-----	93.8	0.0203	0.0993	9:00-----	229	0.0496	0.8235
12:00-----	9.60	0.0021	0.0500	6:30-----	5.64	0.0012	0.0079	:50-----	100	0.0216	0.1028	:20-----	217	0.0470	0.8396
Feb. 24				11:30-----	5.30	0.0011	0.0139	7:00-----	103	0.0223	0.1065	:40-----	199	0.0431	0.8546
a. m.				p. m.				:10-----	107	0.0232	0.1103	10:00-----	189	0.0409	0.8686
2:30-----	9.36	0.0020	0.0050	1:00-----	5.46	0.0012	0.0157	:20-----	107	0.0232	0.1142	:20-----	183	0.0396	0.8820
10:00-----	9.12	0.0020	0.0200	2:20-----	5.99	0.0013	0.0173	:40-----	107	0.0232	0.1181	:40-----	176	0.0381	0.8949
p. m.				3:00-----	6.35	0.0014	0.0182	8:00-----	103	0.0223	0.1296	11:00-----	183	0.0396	0.9078
2:30-----	9.12	0.0020	0.0290	4:00-----	7.11	0.0015	0.0196	:20-----	98.2	0.0212	0.1372	:20-----	206	0.0446	0.9218
4:30-----	9.36	0.0020	0.0330	5:00-----	7.74	0.0017	0.0212	:40-----	98.2	0.0212	0.1441	:40-----	229	0.0496	0.9375
7:00-----	9.60	0.0021	0.0380	:50-----	8.18	0.0018	0.0227	9:00-----	89.6	0.0194	0.1507	12:00-----	240	0.0520	0.9544
12:00-----	9.12	0.0020	0.0480	6:40-----	8.40	0.0018	0.0242	:20-----	87.8	0.0190	0.1571				
Feb. 25				7:40-----	8.40	0.0018	0.0260	:40-----	91.5	0.0198	0.1636	Mar. 4			
a. m.				10:00-----	7.96	0.0017	0.0302	10:00-----	100	0.0216	0.1705	a. m.			
4:00-----	8.40	0.0018	0.0076	12:00-----	7.52	0.0016	0.0334	:20-----	112	0.0242	0.1781	12:10-----	240	0.0520	0.0087
7:00-----	7.96	0.0017	0.0130	Mar. 1				:40-----	122	0.0264	0.1865	:20-----	236	0.0511	0.0173
:40-----	7.74	0.0017	0.0141	a. m.				11:00-----	132	0.0286	0.1957	:40-----	221	0.0478	0.0338
8:50-----	7.11	0.0015	0.0160	1:40-----	7.30	0.0016	0.0027	:20-----	137	0.0296	0.2054	1:00-----	206	0.0446	0.0492
10:00-----	7.30	0.0016	0.0179	4:40-----	6.92	0.0015	0.0075	:40-----	152	0.0329	0.2158	:20-----	189	0.0409	0.0635
11:00-----	7.74	0.0017	0.0195	6:20-----	6.73	0.0014	0.0098	:50-----	173	0.0374	0.2275	:30-----	183	0.0396	0.0702
p. m.				7:30-----	6.73	0.0014	0.0114	12:00-----				2:00-----	167	0.0362	0.0892
12:30-----	7.96	0.0017	0.0221	11:30-----	6.35	0.0014	0.0170					3:00-----	149	0.0322	0.1234
2:00-----	7.74	0.0017	0.0247	p. m.				a. m.				:40-----	135	0.0292	0.1439
3:30-----	7.74	0.0017	0.0273	12:30-----	6.35	0.0014	0.0184	12:20-----	213	0.0461	0.0139	4:20-----	124	0.0268	0.1626
5:00-----	7.96	0.0017	0.0299	1:00-----	6.54	0.0014	0.0191	:40-----	236	0.0511	0.0301	5:00-----	114	0.0247	0.1798
7:20-----	7.74	0.0017	0.0339	:30-----	6.73	0.0014	0.0198	:50-----	260	0.0563	0.0568	6:00-----	103	0.0223	0.2033
8:20-----	7.52	0.0016	0.0355	2:10-----	7.52	0.0016	0.0208	:20-----	280	0.0606	0.0665	7:00-----	96.0	0.0208	0.2249
11:00-----	6.54	0.0014	0.0395	:40-----	8.40	0.0018	0.0216	:40-----	298	0.0645	0.0759	8:00-----	89.6	0.0194	0.2450
12:00-----	4.81	0.0010	0.0407	3:00-----	9.60	0.0021	0.0223	:50-----	326	0.0706	0.0770	9:00-----	82.2	0.0178	0.2636
Feb. 26				:30-----	12.6	0.0027	0.0235	1:00-----	346	0.0749	0.0891	10:00-----	72.9	0.0158	0.2974
a. m.				4:00-----	16.5	0.0036	0.0251	2:00-----	390	0.0844	0.1024	11:00-----	71.4	0.0154	0.3026
12:50-----	3.64	0.0008	0.0008	:40-----	20.9	0.0045	0.0278	3:00-----	412	0.0892	0.1169	p. m.			
1:20-----	3.38	0.0007	0.0012	5:20-----	23.6	0.0051	0.0310	:20-----	417	0.0903	0.1468	12:10-----	68.3	0.0148	0.3152
2:00-----	3.25	0.0007	0.0017	6:20-----	23.6	0.0051	0.0361	:40-----	424	0.0918	0.1620	1:10-----	65.2	0.0141	0.3296
3:00-----	3.51	0.0008	0.0024	7:40-----	20.9	0.0045	0.0425	:50-----	424	0.0918	0.1773	:40-----	63.7	0.0138	0.3366
4:00-----	3.90	0.0008	0.0032	10:00-----	16.0	0.0035	0.0518	4:00-----	428	0.0926	0.2003	3:00-----	60.6	0.0131	0.3545
5:40-----	4.50	0.0010	0.0047	11:00-----	14.5	0.0031	0.0551	5:00-----	428	0.0926	0.2080	4:20-----	57.5	0.0124	0.3716
8:30-----	4.97	0.0011	0.0075	12:00-----	13.4	0.0029	0.0581	:20-----	419	0.0907	0.2385	5:00-----	56.2	0.0122	0.3798
9:10-----	5.30	0.0011	0.0082	Mar. 2				:40-----	405	0.0877	0.2682	:40-----	55.0	0.0119	0.3878
10:00-----	6.35	0.0014	0.0092	a. m.				:50-----	378	0.0818	0.2965	7:30-----	52.5	0.0114	0.4091
:30-----	7.30	0.0016	0.0100	1:40-----	12.3	0.0028	0.0047	4:00-----	340	0.0736	0.3224	9:10-----	49.9	0.0108	0.4276
11:20-----	8.18	0.0018	0.0114	3:00-----	11.6	0.0025	0.0082	:20-----	306	0.0662	0.3340	11:00-----	47.4	0.0103	0.4470
p. m.				5:00-----	10.9	0.0024	0.0130	:40-----	280	0.0606	0.3446	12:00-----	46.2	0.0100	0.4572
12:40-----	8.88	0.0019	0.0138	6:50-----	10.4	0.0022	0.0172	5:00-----	236	0.0511	0.3632	Mar. 5			
1:30-----	8.88	0.0019	0.0154	7:10-----	10.4	0.0022	0.0179	:20-----	202	0.0437	0.3790	a. m.			
3:30-----	7.52	0.0016	0.0190	8:00-----	10.1	0.0022	0.0186	:40-----	183	0.0396	0.3929	12:20-----	44.9	0.0097	0.0033
4:40-----	6.92	0.0015	0.0209	:20-----	10.1	0.0022	0.0193	6:00-----	167	0.0362	0.4055	2:00-----	42.8	0.0093	0.0191
6:00-----	6.54	0.0014	0.0228	:40-----	10.4	0.0022	0.0200	:20-----	155	0.0336	0.4171	4:00-----	40.7	0.0088	0.0371
7:10-----	6.35	0.0014	0.0244	9:00-----	10.4	0.0022	0.0207	:40-----	146	0.0316	0.4280	6:00-----	38.7	0.0084	0.0543
10:00-----	5.99	0.0013	0.0284	:20-----	10.6	0.0023	0.0214	7:00-----	137	0.0296	0.4382	8:00-----	36.6	0.0079	0.0707
12:00-----	5.82	0.0012	0.0308	:40-----	11.2	0.0024	0.0222	:20-----	124						



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Mar. 6	Second-foot	Inches per hour	Inches	Mar. 11	Second-foot	Inches per hour	Inches	Mar. 16	Second-foot	Inches per hour	Inches	Mar. 20	Second-foot	Inches per hour	Inches
a. m.				p. m.				p. m.				p. m.			
6:00-----	22.9	0.0050	0.0315	12:30-----	8.64	0.0019	0.0154	8:00-----	6.73	0.0014	0.0228	4:20-----	10.6	0.0023	0.0449
9:00-----	21.6	.0047	.0459	1:30-----	7.96	.0017	.0172	:50-----	6.73	.0014	.0240	6:00-----	10.4	.0022	.0486
10:40-----	20.9	.0045	.0536	2:30-----	7.11	.0015	.0188	12:00-----	5.82	.0012	.0281	8:20-----	10.1	.0022	.0537
p. m.				3:00-----	6.92	.0015	.0196					10:00-----	9.86	.0021	.0574
1:00-----	20.9	.0045	.0641	5:20-----	6.73	.0014	.0229	Mar. 17				12:00-----	9.60	.0021	.0616
2:40-----	20.3	.0044	.0714	7:40-----	6.35	.0014	.0262	a. m.							
5:30-----	19.6	.0042	.0836	9:40-----	5.99	.0013	.0290	1:30-----	5.46	.0012	.0018	Mar. 21			
8:30-----	18.6	.0040	.0959	12:00-----	5.14	.0011	.0318	2:20-----	5.30	.0011	.0028	a. m.			
10:00-----	18.1	.0039	.1019					3:20-----	5.30	.0011	.0039	1:20-----	9.36	.0020	.0027
11:30-----	17.6	.0038	.1076	Mar. 12				5:00-----	5.14	.0011	.0057	3:00-----	9.12	.0020	.0060
12:00-----	17.6	.0038	.1095	a. m.				6:30-----	5.30	.0011	.0073	4:20-----	8.88	.0019	.0087
Mar. 7				1:00-----	3.64	.0008	.0010	11:40-----	5.30	.0011	.0130	6:00-----	8.64	.0019	.0119
a. m.				2:00-----	2.40	.0005	.0016					7:30-----	8.40	.0018	.0146
1:00-----	17.0	.0037	.0038	3:00-----	1.69	.0004	.0020	p. m.				11:00-----	8.64	.0019	.0209
2:30-----	16.5	.0036	.0092	:30-----	1.62	.0004	.0022	1:00-----	5.82	.0012	.0146				
3:30-----	16.5	.0036	.0128	4:00-----	1.76	.0004	.0024	2:00-----	6.92	.0015	.0160	p. m.			
6:30-----	15.5	.0034	.0233	5:00-----	2.49	.0005	.0029	3:00-----	8.64	.0019	.0177	2:30-----	9.12	.0020	.0279
8:00-----	15.0	.0032	.0283	6:00-----	3.25	.0007	.0035	4:00-----	10.1	.0022	.0197	5:00-----	9.12	.0020	.0329
10:00-----	14.5	.0031	.0347	8:30-----	4.20	.0009	.0055	5:00-----	11.6	.0025	.0221	7:00-----	8.88	.0019	.0369
p. m.				9:30-----	4.97	.0011	.0065	7:00-----	13.7	.0030	.0277	12:00-----	8.88	.0019	.0464
5:00-----	14.5	.0031	.0564	10:00-----	5.99	.0013	.0071	:40-----	14.5	.0031	.0297				
7:30-----	14.1	.0030	.0639	11:00-----	6.54	.0014	.0085	9:00-----	13.7	.0030	.0337	Mar. 22			
9:20-----	13.7	.0030	.0694	p. m.				12:00-----	11.2	.0024	.0418	a. m.			
11:20-----	13.4	.0029	.0754	12:30-----	7.96	.0017	.0109	Mar. 18				3:00-----	8.88	.0019	.0057
12:00-----	13.0	.0028	.0773	2:30-----	7.11	.0015	.0141	a. m.				5:00-----	8.40	.0018	.0093
Mar. 8				3:20-----	6.73	.0014	.0153	2:00-----	10.4	.0022	.0046	10:00-----	7.30	.0016	.0178
a. m.				4:00-----	6.54	.0014	.0162	4:30-----	9.60	.0021	.0101	11:00-----	7.52	.0016	.0194
1:00-----	13.0	.0028	.0028	10:00-----	5.64	.0012	.0240	7:00-----	9.12	.0020	.0151				
3:00-----	12.6	.0027	.0084	12:00-----	5.64	.0012	.0264	8:30-----	8.88	.0019	.0181	p. m.			
5:00-----	12.3	.0027	.0138	Mar. 13				11:00-----	8.64	.0019	.0229	1:00-----	7.52	.0016	.0226
7:30-----	11.9	.0026	.0203	p. m.								4:00-----	7.74	.0017	.0274
9:30-----	11.6	.0025	.0255	1:00-----	5.64	.0012	.0156	p. m.				8:00-----	7.30	.0016	.0338
12:00-----	11.2	.0024	.0315	5:00-----	6.35	.0014	.0208	3:00-----	9.12	.0020	.0307	9:30-----	7.11	.0015	.0362
p. m.				7:00-----	6.54	.0014	.0236	5:20-----	9.60	.0021	.0354	12:00-----	6.35	.0014	.0397
4:00-----	11.2	.0024	.0411	9:00-----	6.35	.0014	.0264	:30-----	9.60	.0021	.0358				
6:00-----	10.9	.0024	.0459	12:00-----	6.35	.0014	.0306	:40-----	9.60	.0021	.0362	Mar. 23			
8:20-----	10.6	.0023	.0515	Mar. 14				6:00-----	10.1	.0022	.0369	a. m.			
10:20-----	10.4	.0022	.0559	a. m.				:20-----	10.9	.0024	.0377	1:30-----	4.97	.0011	.0020
12:00-----	10.1	.0022	.0596	3:00-----	6.17	.0013	.0042	:40-----	13.4	.0029	.0386	2:00-----	3.90	.0008	.0025
Mar. 9				4:20-----	6.35	.0014	.0061	7:00-----	17.0	.0037	.0397	3:00-----	3.03	.0006	.0033
a. m.				9:30-----	6.35	.0014	.0133	:15-----	20.9	.0045	.0407	:40-----	2.91	.0006	.0037
3:00-----	9.86	.0021	.0066	12:00-----	6.17	.0013	.0168	:30-----	26.2	.0057	.0420	5:00-----	3.25	.0007	.0046
6:30-----	9.60	.0021	.0140	Mar. 15				:40-----	32.8	.0071	.0431	6:00-----	3.90	.0008	.0054
9:30-----	9.36	.0020	.0200	p. m.				:50-----	39.7	.0086	.0444	8:00-----	4.81	.0010	.0072
p. m.				4:00-----	5.82	.0012	.0216	8:00-----	51.2	.0111	.0460	9:20-----	6.92	.0015	.0088
3:00-----	9.36	.0020	.0310	9:00-----	5.82	.0012	.0276	:20-----	63.7	.0138	.0501	11:00-----	7.96	.0017	.0115
5:30-----	9.12	.0020	.0360	11:00-----	5.64	.0012	.0300	:40-----	71.4	.0154	.0550	:40-----	8.88	.0019	.0127
8:20-----	8.88	.0019	.0417	12:00-----	5.46	.0012	.0312	9:00-----	74.8	.0162	.0603	12:00-----	8.88	.0019	.0130
10:00-----	8.64	.0019	.0449	Mar. 16				:20-----	71.4	.0154	.0656				
11:30-----	8.40	.0018	.0476	a. m.				10:00-----	59.0	.0128	.0750	p. m.			
12:00-----	8.40	.0018	.0485	2:20-----	5.30	.0011	.0028	:30-----	53.7	.0116	.0811	2:00-----	7.52	.0016	.0166
Mar. 10				3:20-----	5.30	.0011	.0039	11:00-----	48.7	.0105	.0866	3:00-----	6.92	.0015	.0182
a. m.				5:30-----	4.97	.0011	.0063	12:00-----	41.8	.0090	.0964	4:00-----	6.54	.0014	.0196
1:00-----	8.18	.0018	.0018	6:00-----	4.65	.0010	.0068	a. m.				5:30-----	6.35	.0014	.0217
2:30-----	7.96	.0017	.0045	7:00-----	3.90	.0008	.0077	1:00-----	36.6	.0079	.0084	7:40-----	5.99	.0013	.0247
5:30-----	7.74	.0017	.0096	:30-----	3.77	.0008	.0081	2:00-----	33.7	.0073	.0160	8:40-----	5.64	.0012	.0259
6:30-----	7.74	.0017	.0113	8:10-----	3.77	.0008	.0086	3:00-----	31.2	.0068	.0230	10:00-----	4.81	.0010	.0274
7:40-----	7.11	.0015	.0132	10:00-----	4.50	.0010	.0102	4:00-----	28.7	.0062	.0295	:40-----	4.35	.0009	.0280
8:40-----	7.11	.0015	.0147	11:20-----	5.64	.0012	.0117	:30-----	27.9	.0060	.0325	12:00-----	3.77	.0008	.0292
10:10-----	7.74	.0017	.0171	:40-----	5.82	.0012	.0121	5:50-----	25.5	.0055	.0402				
11:00-----	7.52	.0016	.0184	p. m.				7:20-----	23.6	.0051	.0482	Mar. 24			
p. m.				12:20-----	5.64	.0012	.0129	8:30-----	22.2	.0048	.0540	a. m.			
2:00-----	7.52	.0016	.0232	1:40-----	5.46	.0012	.0145	10:00-----	20.9	.0045	.0609	2:00-----	3.25	.0007	.0015
4:00-----	7.96	.0017	.0264	3:30-----	5.14	.0011	.0167	11:40-----	19.6	.0042	.0682	3:20-----	3.03	.0006	.0024
6:30-----	7.96	.0017	.0306	8:00-----	4.97	.0011	.0217	p. m.				5:00-----	3.25	.0007	.0035
12:00-----	7.11	.0015	.0394	11:30-----	4.65	.0010	.0252	1:40-----	18.6	.0040	.0764	6:30-----	3.38	.0007	.0046
Mar. 11				12:00-----	4.65	.0010	.0257	3:30-----	17.6	.0038	.0836	8:20-----	4.05	.0009	.0061
a. m.				Mar. 16				5:00-----	16.5	.0036	.0892	9:30-----	5.30	.0011	.0073
3:00-----	6.17	.0013	.0042	a. m.				7:20-----	15.5	.0034	.0974	10:30-----	6.35	.0014	.0085
:20-----	5.99	.0013	.0046	3:00-----	4.50	.0010	.0030	10:00-----	14.5	.0031	.1059	12:00-----	7.52	.0016	.0107
4:00-----	5.14	.0011	.0054	4:00-----	4.35	.0009	.0040	11:30-----	14.1	.0030	.1104				
5:00-----	3.90	.0008	.0064	6:00-----	4.20	.0009	.0058	12:00-----	14.1	.0030	.1119	p. m.			
:50-----	3.51	.0008	.0071	8:00-----	4.35	.0009	.0076	a. m.				1:30-----	6.73	.0014	.0129
7:00-----	3.51	.0008	.0080	9:00-----	4.65	.0010	.0086	1:30-----	13.7	.0030	.0045	3:00-----	5.82	.0012	.0149
8:00-----	3.90	.0008	.0088	11:20-----	5.99	.0013	.0114	3:30-----	13.4	.0029	.0105	5:20-----	5.64	.0012	.0177
9:00-----	5.14	.0011	.0098	p. m.				5:00-----	13.4	.0029	.0149	7:30-----	5.30	.0011	.0203
:30-----	6.17	.0013	.0104	12:40-----	6.35	.0014	.0133	8:00-----	13.0	.0028	.0233	9:00-----	4.97	.0011	.0219
10:00-----	6.73	.0014	.0111	2:00-----	5.82	.0012	.0150	9:00-----	13.0	.0028	.0261	12:00-----	3.90	.0008	.0248
:40-----	7.74	.0017	.0122	:30-----	5.64	.0012	.0156	10:30-----	12.6	.0027	.0303				
11:10-----	7.74	.0017	.0130	3:40-----	5.64	.0012	.0170	p. m.				a. m.			
12:00-----	8.40	.0018	.0145	5:00-----	5.99	.0013	.0186	12:20-----	11.9	.0026	.0351	2:00-----	3.25	.0007	.0016
				6:00-----	6.35	.0014	.0200	2:00-----	11.2	.0024	.0393	3:30-----	3.14	.0007	.0026
								3:00-----	10.9	.0024	.0417	6:30-----	3.14	.0007	.0046



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Mar. 25				Mar. 30				Apr. 3				Apr. 7			
p. m.				a. m.				a. m.				p. m.			
1:00	5.14	0.0011	0.0106	9:20	8.64	0.0019	0.0113	7:00	8.40	0.0018	0.0126	12:10	6.35	0.0014	0.0170
3:00	4.50	0.0010	0.0127	9:40	9.12	0.0020	0.0120	7:40	8.40	0.0018	0.0174	12:20	6.35	0.0014	0.0172
6:30	4.50	0.0010	0.0161	10:00	9.86	0.0021	0.0127	9:40	8.40	0.0018	0.0216	1:00	6.35	0.0014	0.0177
9:30	4.05	0.0009	0.0189	10:20	10.6	0.0023	0.0134	12:00	8.18	0.0018		1:20	6.35	0.0014	0.0182
10:30	3.25	0.0007	0.0197	11:00	11.2	0.0024	0.0142					2:00	6.35	0.0014	0.0187
11:00	2.49	0.0005	0.0200	11:20	12.3	0.0027	0.0151	12:20	8.18	0.0018	0.0222	2:40	6.35	0.0014	0.0192
12:00	2.02	0.0004	0.0205	12:00	12.6	0.0027	0.0160	1:00	8.40	0.0018	0.0228	3:00	6.35	0.0014	0.0197
Mar. 26				12:20	13.4	0.0029	0.0169	1:20	8.40	0.0018	0.0234	3:20	6.54	0.0014	0.0202
a. m.				1:00	13.7	0.0030	0.0179	1:40	8.40	0.0018	0.0240	3:40	6.54	0.0014	0.0207
1:00	1.85	0.0004	0.0004	1:20				2:00	8.40	0.0018	0.0246	4:00	6.54	0.0014	0.0212
2:00	1.76	0.0004	0.0008	2:00	14.5	0.0031	0.0189	2:20	8.40	0.0018	0.0252	4:20	6.54	0.0014	0.0217
4:00	1.94	0.0004	0.0016	2:40	15.0	0.0032	0.0200	2:40	8.40	0.0018	0.0255	4:40	6.54	0.0014	0.0222
5:30	2.11	0.0004	0.0022	3:00	15.5	0.0034	0.0211	3:00	9.12	0.0020	0.0258	5:00	6.73	0.0014	0.0227
7:30	2.30	0.0005	0.0032	3:20	16.5	0.0036	0.0223	3:20	10.1	0.0022	0.0265	5:20	6.73	0.0014	0.0232
8:30	2.59	0.0005	0.0037	3:40	18.1	0.0039	0.0236	3:40	10.9	0.0024	0.0273	5:40	6.73	0.0014	0.0237
9:30	3.25	0.0007	0.0043	4:00	20.3	0.0044	0.0250	4:00	11.2	0.0024	0.0281	6:00	6.92	0.0015	0.0242
10:00	3.64	0.0008	0.0047	4:20	24.2	0.0052	0.0266	4:20	12.3	0.0027	0.0290	6:20	6.92	0.0015	0.0247
11:30	3.64	0.0008	0.0051	4:40	28.7	0.0062	0.0285	4:40	13.4	0.0029	0.0299	6:40	7.11	0.0015	0.0252
12:00	4.50	0.0010	0.0060	5:00	34.5	0.0075	0.0308	5:00	14.5	0.0031	0.0309	7:00	7.30	0.0016	0.0257
p. m.				5:20	41.8	0.0090	0.0335	5:20	17.0	0.0037	0.0320	7:20	7.52	0.0016	0.0262
12:10	4.65	0.0010	0.0067	5:40	49.9	0.0108	0.0368	5:40	19.6	0.0042	0.0333	7:40	7.74	0.0017	0.0267
1:30	4.20	0.0009	0.0080	6:00	59.0	0.0128	0.0407	6:00	22.2	0.0048	0.0348	8:00	8.40	0.0018	0.0272
2:20	4.20	0.0009	0.0088	6:20	69.8	0.0151	0.0454	6:20	22.2	0.0048	0.0348	8:20	8.40	0.0018	0.0277
3:00	4.50	0.0010	0.0094	6:40	80.3	0.0174	0.0508	6:40	22.9	0.0050	0.0364	8:40	8.64	0.0019	0.0282
4:20	4.97	0.0011	0.0107	7:00	89.6	0.0194	0.0569	7:00	23.6	0.0051	0.0381	9:00	9.86	0.0021	0.0287
6:00	4.81	0.0010	0.0124	7:20	93.8	0.0203	0.0668	7:20	24.2	0.0052	0.0398	9:20	9.86	0.0021	0.0292
10:30	4.20	0.0009	0.0168	7:40	91.5	0.0198	0.0735	7:40	23.6	0.0051	0.0415	9:40	9.86	0.0021	0.0297
12:00	4.05	0.0009	0.0181	8:00	84.1	0.0182	0.0862	8:00	21.6	0.0047	0.0432	10:00	10.1	0.0022	0.0302
Mar. 27				8:20	74.8	0.0162	0.0948	8:20	21.6	0.0047	0.0432	10:20	10.1	0.0022	0.0307
a. m.				8:40	68.3	0.0148	0.1026	8:40	22.2	0.0048	0.0448	10:40	10.4	0.0022	0.0312
4:00	3.90	0.0008	0.0034	9:00	62.1	0.0134	0.1096	9:00	23.6	0.0051	0.0464	11:00	10.4	0.0022	0.0317
11:00	3.90	0.0008	0.0094	9:20	53.7	0.0116	0.1221	9:20	23.6	0.0051	0.0464	11:20	10.4	0.0022	0.0322
p. m.				10:00	47.4	0.0103	0.1331	10:00	22.2	0.0048	0.0480	11:40	10.4	0.0022	0.0327
1:00	4.05	0.0009	0.0111	11:00	42.8	0.0093	0.1429	11:00	20.3	0.0044	0.0673				
2:30	4.20	0.0009	0.0124	12:00	38.7	0.0084	0.1517								
7:00	4.81	0.0010	0.0169	Mar. 31				Apr. 4				Apr. 8			
9:30	5.46	0.0012	0.0197	a. m.				a. m.				a. m.			
10:40	5.64	0.0012	0.0211	1:00	35.5	0.0077	0.0080	1:00	18.6	0.0040	0.0042	1:20	10.4	0.0022	0.0029
12:00	5.82	0.0012	0.0227	2:00	33.7	0.0073	0.0155	2:00	17.6	0.0038	0.0081	1:40	10.4	0.0022	0.0036
Mar. 28				3:20	31.2	0.0068	0.0248	3:20	16.5	0.0036	0.0130	2:00	10.1	0.0022	0.0043
a. m.				5:00	28.7	0.0062	0.0356	4:40	15.5	0.0034	0.0177	2:20	10.1	0.0022	0.0050
3:00	5.46	0.0012	0.0211	6:00	27.0	0.0058	0.0416	6:20	14.5	0.0031	0.0230	2:40	10.1	0.0022	0.0057
8:30	5.14	0.0011	0.0192	7:20	25.5	0.0055	0.0491	8:20	13.7	0.0030	0.0290	3:00	9.86	0.0021	0.0064
11:00	4.97	0.0011	0.0130	8:00	24.9	0.0054	0.0527	10:30	13.0	0.0028	0.0353	3:20	9.86	0.0021	0.0071
p. m.				10:00	24.9	0.0054	0.0635					3:40	9.86	0.0021	0.0078
1:00	4.97	0.0011	0.0152	12:00	23.6	0.0051	0.0739	12:30	12.3	0.0027	0.0409	4:00	10.1	0.0022	0.0085
3:00	5.14	0.0011	0.0174					2:00	11.6	0.0025	0.0448	4:20	10.4	0.0022	0.0092
6:30	5.64	0.0012	0.0216	p. m.				3:00	10.9	0.0024	0.0484	4:40	10.6	0.0023	0.0099
8:30	5.82	0.0012	0.0240	2:00	22.2	0.0048	0.0839	3:20	10.4	0.0022	0.0518	5:00	10.9	0.0024	0.0107
11:00	5.64	0.0012	0.0270	3:20	20.9	0.0045	0.0900	3:40	10.1	0.0022	0.0551	5:20	11.2	0.0024	0.0115
12:00	5.64	0.0012	0.0282	5:00	19.6	0.0042	0.0973	4:00	9.86	0.0021	0.0595	5:40	11.9	0.0026	0.0123
Mar. 29				6:30	18.6	0.0040	0.1035	4:20	9.86	0.0021	0.0627	6:00	12.3	0.0027	0.0132
a. m.				8:00	17.6	0.0038	0.1093	4:40	9.86	0.0021	0.0669	6:20	13.0	0.0028	0.0141
2:00	5.46	0.0012	0.0024	9:40	16.5	0.0036	0.1167	5:00	9.60	0.0021	0.0699	6:40	13.7	0.0030	0.0151
5:30	5.30	0.0011	0.0066	10:00	16.5	0.0036	0.1167					7:00	14.5	0.0031	0.0161
7:30	5.30	0.0011	0.0088	12:00	15.5	0.0034	0.1237	Apr. 5				7:20	15.0	0.0032	0.0172
10:00	5.14	0.0011	0.0116					a. m.				7:40	16.0	0.0035	0.0183
11:00	5.30	0.0011	0.0127	Apr. 1				3:30	9.36	0.0020	0.0070	8:00	16.5	0.0036	0.0195
12:00	5.30	0.0011	0.0138	a. m.				6:30	9.12	0.0020	0.0130	8:20	17.0	0.0037	0.0207
Mar. 30				1:20	15.0	0.0032	0.0044	8:30	8.88	0.0019	0.0170	8:40	18.1	0.0039	0.0220
a. m.				2:30	14.5	0.0031	0.0081	10:30	8.64	0.0019	0.0208	9:00	18.6	0.0040	0.0233
3:00	4.97	0.0011	0.0033	4:00	14.1	0.0030	0.0126					9:20	19.1	0.0041	0.0246
4:00	4.97	0.0011	0.0044	5:30	13.7	0.0030	0.0171					9:40	19.1	0.0041	0.0260
4:40	4.97	0.0011	0.0051	7:00	13.4	0.0029	0.0216					10:00	18.6	0.0040	0.0273
5:00	4.97	0.0011	0.0055	8:30	13.0	0.0028	0.0258	p. m.				10:20	18.6	0.0040	0.0286
5:20	4.97	0.0011	0.0059	10:00	12.6	0.0027	0.0300	12:30	8.40	0.0018	0.0244	10:40	18.6	0.0040	0.0299
5:40	5.14	0.0011	0.0063	12:00	12.3	0.0027	0.0354	2:30	8.18	0.0018	0.0280	11:00	18.6	0.0040	0.0312
6:00	5.14	0.0011	0.0067					3:30	7.96	0.0017	0.0298	11:20	18.1	0.0039	0.0325
6:20	5.30	0.0011	0.0071	Apr. 2				5:00	7.74	0.0017	0.0324	11:40	18.1	0.0039	0.0338
6:40	5.46	0.0012	0.0075	a. m.				7:00	7.52	0.0016	0.0356	12:00	18.1	0.0039	0.0351
7:00	5.64	0.0012	0.0079	2:00	10.1	0.0022	0.0044								
7:20	5.82	0.0012	0.0083	5:00	9.86	0.0021	0.0110	Apr. 6				p. m.			
7:40	6.17	0.0013	0.0087	8:00	9.60	0.0021	0.0173	a. m.				12:10	18.1	0.0039	0.0357
8:00	6.35	0.0014	0.0092	10:00	9.36	0.0020	0.0213	1:00	7.52	0.0016	0.0016	1:40	19.1	0.0041	0.0424
8:20	6.73	0.0014	0.0097					4:00	7.30	0.0016	0.0064	2:00	19.1	0.0041	0.0458
8:40	7.30	0.0016	0.0102	p. m.				6:30	7.11	0.0015	0.0104	2:40	18.1	0.0039	0.0531
9:00	7.96	0.0017	0.0107	3:30	9.36	0.0020	0.0323	9:00	6.92	0.0015	0.0142	3:00	16.5	0.0036	0.0588



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days				
Apr. 9				Apr. 12				Apr. 17				Apr. 19							
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>				
12:30	10.6	0.0023	0.0323	1:00	48.7	0.0105	0.2338	1:30	12.6	0.0027	0.0042	11:20	395	0.0855	0.2083				
1:40	10.4	0.0022	0.0349	3:00	48.7	0.0105	0.2548	4:30	12.3	0.0027	0.0123	:30	437	0.0946	0.2235				
3:20	10.4	0.0022	0.0386	4:20	47.4	0.0103	0.2687	8:00	11.9	0.0026	0.0214	:35	470	0.102	0.2313				
4:30	10.1	0.0022	0.0412	5:20	46.2	0.0100	0.2789	11:00	11.6	0.0025	0.0292	:40	502	0.109	0.2403				
6:00	9.86	0.0021	0.0445	6:00	44.9	0.0097	0.2854					:50	562	0.122	0.2595				
8:00	9.60	0.0021	0.0487	7:20	42.8	0.0093	0.2981	<i>p. m.</i>				:55	593	0.128	0.2699				
10:30	9.36	0.0020	0.0537	8:00	41.8	0.0090	0.3042	1:30	11.6	0.0025	0.0354	12:00	608	0.132	0.2807				
12:00	9.12	0.0020	0.0567	9:00	39.7	0.0086	0.3130	2:20	12.3	0.0027	0.0376								
												Apr. 20							
Apr. 10				Apr. 13				Apr. 18				Apr. 21							
<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>							
1:30	9.12	0.0020	0.0030	1:10	34.5	0.0075	0.0089	8:20	14.5	0.0031	0.0555	12:10	620	0.134	0.0222				
4:30	8.88	0.0019	0.0090	3:00	32.8	0.0071	0.0223	9:30	14.5	0.0031	0.0555	:15	628	0.136	0.0335				
7:30	8.64	0.0019	0.0147	5:00	31.2	0.0068	0.0363	11:00	15.5	0.0034	0.0592	:17	670	0.145	0.0382				
<i>p. m.</i>				7:00 <td>30.4</td> <td>0.0066</td> <td>0.0497</td> <td>12:00</td> <td>16.0</td> <td>0.0035</td> <td>0.0643</td> <td>:20</td> <td>683</td> <td>0.148</td> <td>0.0455</td>	30.4	0.0066	0.0497	12:00	16.0	0.0035	0.0643	:20	683	0.148	0.0455				
12:30	8.40	0.0018	0.0237	8:00	29.5	0.0065	0.0563					:25	686	0.148	0.0579				
1:30	8.40	0.0018	0.0255	10:00	28.7	0.0062	0.0691	<b>Apr. 18</b>								:30	702	0.152	0.0704
3:00	8.18	0.0018	0.0282	11:00	28.7	0.0062	0.0753	<i>a. m.</i>				:40	725	0.157	0.0962				
5:00	7.96	0.0017	0.0318					1:00	15.5	0.0034	0.0034	:45	730	0.158	0.1093				
12:00	7.96	0.0017	0.0437					2:40	15.5	0.0034	0.0091	:50	733	0.159	0.1225				
												Apr. 19							
Apr. 11				Apr. 14				Apr. 20				Apr. 21							
<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>							
9:00	7.74	0.0017	0.0153	1:30	29.5	0.0065	0.0913	3:00	11.9	0.0026	0.0078	1:00	720	0.156	0.1487				
12:00	7.52	0.0016	0.0201	2:30	30.4	0.0066	0.0979	4:20	11.9	0.0026	0.0113	:10	691	0.150	0.1742				
<i>p. m.</i>				4:00	32.0	0.0069	0.1081	5:30	13.4	0.0029	0.0598	:15	676	0.146	0.1865				
12:20	7.52	0.0016	0.0216	5:00	32.8	0.0071	0.1151	7:00	13.0	0.0028	0.0640	:20	646	0.140	0.1984				
:40	7.74	0.0017	0.0221	6:00	32.0	0.0069	0.1221	9:00	12.6	0.0027	0.0687	:25	616	0.133	0.2098				
:40	7.74	0.0017	0.0227	7:00	31.2	0.0068	0.1289	10:00	12.3	0.0027	0.0750	:30	591	0.128	0.2207				
:20	7.96	0.0017	0.0233	8:00	29.5	0.0065	0.1355	<i>p. m.</i>				:35	560	0.121	0.2311				
:20	8.18	0.0018	0.0239	9:20	27.9	0.0060	0.1438	12:30	15.0	0.0032	0.0445	:40	529	0.114	0.2409				
:40	8.40	0.0018	0.0245	10:40	26.2	0.0057	0.1515	2:00	14.5	0.0031	0.0493	:45	499	0.108	0.2502				
:40	8.88	0.0019	0.0251	12:00	24.9	0.0054	0.1590	3:00	13.4	0.0029	0.0598	2:00	435	0.0942	0.2754				
:20	9.36	0.0020	0.0258	<b>Apr. 14</b>								:10	395	0.0855	0.2904				
:40	10.6	0.0023	0.0265	<i>a. m.</i>				5:30	13.0	0.0028	0.0640	:20	365	0.0790	0.3041				
4:00	12.6	0.0027	0.0273	1:30	24.2	0.0052	0.0080	7:00	12.6	0.0027	0.0687	:26	343	0.0742	0.3118				
:20	16.0	0.0035	0.0283	3:30	22.9	0.0050	0.0182	8:40	12.3	0.0027	0.0750	:30	362	0.0784	0.3169				
:40	20.9	0.0045	0.0296	5:00	22.2	0.0048	0.0256	11:00	12.3	0.0027	0.0777	:40	359	0.0777	0.3299				
5:00	26.2	0.0057	0.0313	7:00	20.9	0.0045	0.0348	12:00	12.3	0.0027	0.0777	:50	333	0.0721	0.3424				
:20	31.2	0.0068	0.0334	8:10	20.3	0.0044	0.0399	<b>Apr. 19</b>								3:00	310	0.0671	0.3540
:40	37.6	0.0081	0.0359	9:30	19.6	0.0042	0.0456	<i>a. m.</i>				:20	260	0.0563	0.3746				
6:00	43.9	0.0095	0.0388	11:20	20.3	0.0044	0.0535	3:00	11.9	0.0026	0.0078	:40	225	0.0487	0.3921				
:20	48.7	0.0105	0.0421	<b>Apr. 15</b>								4:00	206	0.0446	0.4076				
:40	53.7	0.0116	0.0458	<i>a. m.</i>				4:20	11.9	0.0026	0.0113	:20	186	0.0403	0.4217				
7:00	59.0	0.0128	0.0499	3:00	17.6	0.0038	0.0114	5:00	11.9	0.0026	0.0130	:40	173	0.0374	0.4346				
:20	65.2	0.0141	0.0544	6:00	17.0	0.0037	0.0228	:20	11.9	0.0026	0.0139	5:00	161	0.0348	0.4466				
:30	71.4	0.0154	0.0569	8:00	16.5	0.0036	0.0336	:40	11.9	0.0026	0.0148	:20	155	0.0336	0.4580				
:40	78.5	0.0170	0.0596	12:00	17.0	0.0037	0.0444	6:00	11.9	0.0026	0.0157	:40	146	0.0316	0.4689				
8:00	93.8	0.0203	0.0658	<i>p. m.</i>				:20	12.3	0.0027	0.0166	6:00	140	0.0303	0.4792				
:20	117	0.0253	0.0734	2:30	17.0	0.0037	0.0536	:40	12.3	0.0027	0.0175	:20	135	0.0292	0.4891				
:30	132	0.0286	0.0779	4:00	16.5	0.0036	0.0590	7:00	12.3	0.0027	0.0184	:40	137	0.0296	0.4989				
:40	146	0.0316	0.0829	6:20	16.0	0.0035	0.0674	:20	12.3	0.0027	0.0193	7:00	152	0.0329	0.5093				
:50	164	0.0355	0.0885	7:30	15.5	0.0034	0.0714	:40	12.3	0.0027	0.0202	:10	170	0.0368	0.5151				
9:00	173	0.0374	0.0946	8:40	15.5	0.0034	0.0754	8:00	12.3	0.0027	0.0211	:20	196	0.0424	0.5217				
:15	189	0.0409	0.1044	10:00	16.5	0.0036	0.0782	11:40	12.3	0.0027	0.0310	:30	225	0.0487	0.5293				
:20	199	0.0431	0.1079	11:00	18.1	0.0039	0.0838	12:00	12.6	0.0027	0.0319	:40	255	0.0552	0.5380				
:40	221	0.0478	0.1230	:30	18.6	0.0040	0.0858	<b>Apr. 20</b>								:50	280	0.0606	0.5476
:50	236	0.0511	0.1312	12:00	19.1	0.0041	0.0878	<i>p. m.</i>				8:00	298	0.0645	0.5580				
10:00	250	0.0541	0.1400	<b>Apr. 16</b>								:20	310	0.0671	0.5799				
:20	270	0.0584	0.1587	<i>a. m.</i>				12:20	13.0	0.0028	0.0328	:30	318	0.0688	0.5912				
:40	290	0.0628	0.1789	2:20	19.6	0.0042	0.0014	:40	13.4	0.0029	0.0337	:40	314	0.0680	0.6026				
11:00	302	0.0654	0.2003	4:00	18.6	0.0040	0.0166	1:00	14.1	0.0030	0.0347	:20	306	0.0662	0.6250				
:10	298	0.0645	0.2111	6:00	17.6	0.0038	0.0244	:20	15.0	0.0032	0.0357	9:00	294	0.0636	0.6358				
:20	290	0.0628	0.2217	8:00	16.5	0.0036	0.0318	:40	16.5	0.0036	0.0368	:10	285	0.0617	0.6462				
:40	265	0.0574	0.2417	9:00	16.5	0.0036	0.0354	:20	18.1	0.0039	0.0381	:20	285	0.0617	0.6462				
12:00	236	0.0511	0.2598	10:00	16.0	0.0035	0.0390	:40	19.6	0.0042	0.0394	:40	255	0.0552	0.6657				
												Apr. 21							
Apr. 12				Apr. 17				Apr. 20				Apr. 21							
<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>							
12:20	202	0.0437	0.0158	2:20	19.6	0.0042	0.0014	3:00	11.9	0.0026	0.0078	12:20	170	0.0368	0.7820				
:40	180	0.0390	0.0296	4:00	18.6	0.0040	0.0166	4:20	11.9	0.0026	0.0113	:40	164	0.0355	0.7941				
1:00	161	0.0348	0.0419	6:00	17.6	0.0038	0.0244	5:30	13.4	0.0029	0.0598	1:00	161	0.0348	0.8058				
:20	143																		



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Apr. 21	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Apr. 26	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	May 4	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	May 9	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>a. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>p. m.</i>			
1:00-----	78.5	0.0170	0.0174	2:20-----	8.40	0.3018	0.0278	1:00-----	4.20	0.0009	0.0009	5:00-----	3.25	0.0007	0.0135
2:00-----	74.8	.0162	.0340	4:30-----	8.18	.0018	.0317	9:00-----	3.90	.0008	.0079	9:00-----	3.03	.0006	.0162
3:20-----	69.8	.0151	.0548	7:00-----	7.96	.0017	.0362	10:00-----	3.90	.0008	.0087	12:00-----	3.03	.0006	.0182
5:00-----	65.2	.0141	.0791	8:00-----	7.96	.0017	.0379								
6:00-----	62.1	.0134	.0929	12:00-----	7.74	.0017	.0447					May 10			
7:30-----	59.0	.0128	.1126					<i>p. m.</i>				<i>a. m.</i>			
9:00-----	56.2	.0122	.1314	Apr. 27				1:00-----	3.77	.0008	.0112	7:00-----	3.25	.0007	.0049
10:30-----	53.7	.0116	.1492	<i>a. m.</i>				6:00-----	3.51	.0008	.0151	12:00-----	3.14	.0007	.0083
11:30-----	52.5	.0114	.1607	4:00-----	7.74	.0017	.0068	9:00-----	3.38	.0007	.0173				
				8:00-----	7.52	.0016	.0132	12:00-----	3.38	.0007	.0195				
				9:00-----	7.52	.0016	.0148	May 5				<i>p. m.</i>			
12:50-----	49.9	.0108	.1755	11:30-----	7.30	.0016	.0188	<i>a. m.</i>				5:30-----	2.80	.0006	.0118
1:30-----	48.7	.0105	.1826					9:00-----	3.38	.0007	.0066	8:00-----	2.69	.0006	.0138
3:00-----	46.2	.0100	.1979	<i>p. m.</i>								12:00-----	2.69	.0006	.0161
4:30-----	43.9	.0095	.2126	1:30-----	7.11	.0015	.0220	<i>p. m.</i>							
6:00-----	41.8	.0090	.2264	4:30-----	6.73	.0014	.0262	3:00-----	3.25	.0007	.0109	May 11			
7:00-----	40.7	.0088	.2353	6:30-----	6.54	.0014	.0290	6:00-----	3.14	.0007	.0130	<i>a. m.</i>			
9:30-----	38.7	.0084	.2568	12:00-----	6.54	.0014	.0367	10:00-----	3.03	.0006	.0157	1:30-----	2.80	.0006	.0009
12:00-----	36.6	.0079	.2773					12:00-----	3.03	.0006	.0170	7:00-----	2.91	.0006	.0043
												10:00-----	2.91	.0006	.0062
Apr. 22				Apr. 23				May 6				12:00-----	2.80	.0006	.0074
<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>p. m.</i>			
1:20-----	35.5	.0077	.0104	7:00-----	6.54	.0014	.0098	2:00-----	3.14	.0007	.0013	5:30-----	2.40	.0005	.0105
2:30-----	34.5	.0075	.0193	12:00-----	6.35	.0014	.0168	7:00-----	3.25	.0007	.0049	9:00-----	2.30	.0005	.0123
4:00-----	33.7	.0073	.0304	<i>p. m.</i>				12:00-----	3.14	.0007	.0085	12:00-----	2.30	.0005	.0138
6:30-----	32.0	.0069	.0482	2:00-----	6.17	.0013	.0196	<i>p. m.</i>							
7:30-----	31.2	.0068	.0550	12:00-----	5.82	.0012	.0316	3:00-----	3.03	.0006	.0105	May 12			
9:20-----	30.4	.0066	.0673					6:33-----	2.80	.0006	.0134	<i>a. m.</i>			
11:00-----	29.5	.0065	.0783	Apr. 29				35-----	2.80	.0006		1:00-----	2.40	.0005	.0005
				<i>a. m.</i>				40-----	3.03	.0006		4:00-----	2.49	.0005	.0021
12:40-----	27.9	.0060	.0886	6:00-----	5.46	.0012	.0072	50-----	3.77	.0008	.0135	9:00-----	2.59	.0005	.0048
2:20-----	26.2	.0057	.0983	<i>p. m.</i>				55-----	4.50	.0010	.0136	<i>p. m.</i>			
4:00-----	24.9	.0054	.1076	2:00-----	5.46	.0012	.0168	7:00-----	6.35	.0014	.0137	2:00-----	2.59	.0005	.0076
6:00-----	23.6	.0051	.1180	3:00-----	5.30	.0011	.0180	10:5-----	9.12	.0020	.0138	5:30-----	2.40	.0005	.0095
8:00-----	22.9	.0050	.1280	4:30-----	5.14	.0011	.0196	11-----	12.3	.0027	.0140	8:30-----	2.30	.0005	.0110
11:30-----	22.2	.0048	.1452	7:00-----	4.97	.0011	.0224	30-----	18.6	.0040	.0151	12:00-----	2.30	.0005	.0127
12:00-----	22.2	.0048	.1476	8:30-----	4.97	.0011	.0240	40-----	19.1	.0041	.0158				
				11:00-----	5.14	.0011	.0268	45-----	22.9	.0050	.0162	May 13			
Apr. 23				12:00-----	5.14	.0011	.0279	50-----	32.0	.0069	.0167	<i>a. m.</i>			
<i>a. m.</i>				Apr. 30				55-----	41.8	.0090	.0174	1:30-----	2.40	.0005	.0008
2:00-----	21.6	.0047	.0096	<i>a. m.</i>				8:00-----	44.9	.0097	.0182	6:30-----	2.49	.0005	.0034
3:30-----	20.9	.0045	.0165	3:00-----	5.30	.0011	.0033	10:5-----	46.2	.0100	.0190	12:00-----	2.49	.0005	.0064
5:40-----	20.3	.0044	.0216	11:00-----	5.30	.0011	.0121	20-----	43.9	.0095	.0214	<i>p. m.</i>			
7:40-----	19.6	.0042	.0302	<i>p. m.</i>				40-----	35.5	.0077	.0243	2:00-----	2.40	.0005	.0074
10:30-----	19.1	.0041	.0421	1:00-----	5.14	.0011	.0143	9:05-----	32.0	.0069	.0273	5:00-----	2.20	.0005	.0089
				4:00-----	4.97	.0011	.0176	25-----	32.8	.0071	.0296	7:00-----	2.20	.0005	.0099
12:20-----	18.6	.0040	.0494	5:30-----	4.81	.0010	.0191	30-----	32.8	.0071	.0302	8:00-----	2.30	.0005	.0104
1:40-----	18.1	.0039	.0547	8:30-----	4.65	.0010	.0221	10:00-----	27.9	.0060	.0335	12:00-----	2.30	.0005	.0124
3:00-----	17.6	.0038	.0598	12:00-----	4.81	.0010	.0256	11:00-----	22.2	.0048	.0362				
5:20-----	16.5	.0036	.0690	May 1				12:00-----	19.1	.0041	.0384	May 14			
9:30-----	16.0	.0035	.0834	<i>a. m.</i>					14.5	.0031	.0420	<i>a. m.</i>			
12:00-----	15.5	.0034	.0919	2:00-----	4.81	.0010	.0020	12:30-----	13.4	.0029	.0015	3:00-----	2.30	.0005	.0015
Apr. 24				5:00-----	4.97	.0011	.0050	1:00-----	12.3	.0027	.0029	10:00-----	2.40	.0005	.0051
<i>a. m.</i>				7:00-----	4.97	.0011	.0072	2:00-----	10.6	.0023	.0054	12:00-----	2.30	.0005	.0061
2:30-----	15.0	.0032	.0082	10:00-----	5.14	.0011	.0105	3:00-----	9.60	.0021	.0076				
5:30-----	14.5	.0031	.0178	<i>p. m.</i>				4:00-----	8.88	.0019	.0096	<i>p. m.</i>			
7:30-----	14.1	.0030	.0238	2:00-----	5.64	.0012	.0153	5:00-----	8.18	.0018	.0114	2:40-----	2.20	.0005	.0074
9:30-----	13.7	.0030	.0298	3:00-----	5.82	.0012	.0165	6:00-----	7.74	.0017	.0132	5:30-----	2.02	.0004	.0087
11:00-----	13.4	.0029	.0343	4:30-----	5.64	.0012	.0183	7:10-----	7.30	.0016	.0151	7:30-----	1.94	.0004	.0095
				5:30-----	5.46	.0012	.0195	8:30-----	6.92	.0015	.0172	12:00-----	1.94	.0004	.0114
<i>p. m.</i>				8:00-----	4.97	.0011	.0215	10:00-----	6.54	.0014	.0193				
12:40-----	13.0	.0028	.0390	11:00-----	4.81	.0010	.0245	11:40-----	6.17	.0013	.0216	May 15			
2:00-----	12.6	.0027	.0427	12:00-----	4.81	.0010	.0255	<i>p. m.</i>				<i>a. m.</i>			
3:20-----	12.3	.0027	.0463	May 2				1:20-----	5.82	.0012	.0234	2:00-----	1.94	.0004	.0008
5:00-----	11.9	.0026	.0506	<i>a. m.</i>				3:10-----	5.46	.0012	.0256	5:00-----	2.02	.0004	.0021
6:40-----	11.6	.0025	.0549	2:00-----	4.81	.0010	.0020	5:10-----	5.14	.0011	.0280	6:30-----	2.02	.0004	.0027
12:00-----	11.6	.0025	.0682	9:00-----	4.65	.0010	.0090	6:20-----	4.97	.0011	.0293	11:00-----	2.11	.0004	.0047
Apr. 25				11:00-----	4.65	.0010	.0110	8:00-----	4.81	.0010	.0310	12:00-----	2.20	.0005	.0049
<i>a. m.</i>				<i>p. m.</i>				10:30-----	4.65	.0010	.0335				
3:00-----	11.2	.0024	.0072	1:00-----	4.50	.0010	.0130	12:00-----	4.65	.0010	.0350	<i>p. m.</i>			
5:30-----	11.2	.0024	.0132	7:00-----	4.35	.0009	.0187	May 8				12:20-----	2.40	.0005	.0055
8:00-----	10.9	.0024	.0192	9:00-----	4.35	.0009	.0206	7:30-----	4.50	.0010	.0074	4:00-----	2.49	.0005	.0057
9:30-----	10.6	.0023	.0228	12:00-----	4.50	.0010	.0235	11:00-----	4.35	.0009	.0108	7:00-----	2.69	.0006	.0059
								<i>p. m.</i>				9:00-----	2.69	.0006	.0061
12:30-----	10.4	.0022	.0294	May 3				1:30-----	4.20	.0009	.0131	11:00-----	2.80	.0006	.0063
2:00-----	10.1	.0022	.0327	<i>a. m.</i>				3:20-----	4.05	.0009	.0147	12:00-----	2.91	.0006	.0065
3:30-----	9.86	.0021	.0360	5:00-----	4.81	.0010	.0050	5:00-----	3.90	.0008	.0161				
5:30-----	9.60	.0021	.0402	8:00-----	4.65	.0010	.0080	6:40-----	3.77	.0008	.0175	2:00-----	3.03	.0006	.0067
8:00-----	9.36	.0020	.0452	10:00-----	4.50	.0010	.0100	9:30-----	3.64	.0008	.0198	3:00-----	3.14	.0007	.0069
12:00-----	9.36	.0020	.0532					12:00-----	3.77	.0008	.0218	4:10-----	3.51	.0008	.0077
Apr. 26				<i>p. m.</i>				May 9				5:00-----	3.77	.0008	.0082
<i>a. m.</i>				2:00-----	4.35	.0009	.0138	<i>a. m.</i>				6:00-----	3.90	.0008	.0092
3:00-----	9.12	.0020	.0060	7:00-----	4.20	.0009	.0184	5:00-----	3.90	.0008	.0041	7:30-----	3.64	.0008	.0096
8:00-----	8.88	.0019	.0160	12:00-----	4.20	.0009	.0229	9:00-----	3.77	.0008	.0074	9:00-----	3.38	.0007	.0116
9:00-----	8.88	.0019	.0179					11:30-----	3.64	.0008	.0094	11:00-----	3.03	.0006	.0130
12:00-----	8.64	.0019	.0236									12:00-----	2.91	.0006	.0136



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
May 16				May 23				May 25				May 29			
<i>a. m.</i>	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>
1:00	2.80	0.0006	0.0006	2:30	1.09	0.0002	0.0006	1:00	19.1	0.0041	0.0043	11:00	7.52	0.0016	0.0182
2:20	2.69	.0006	.0014	5:00	1.15	.0002	.0012	2:00	17.6	.0038	.0083	:20	7.30	.0016	.0187
4:00	2.59	.0005	.0024	6:00	1.15	.0002	.0014	3:00	16.0	.0035	.0119	:40	7.11	.0015	.0192
6:00	2.49	.0005	.0035	8:00	1.21	.0003	.0019	4:20	14.5	.0031	.0163	12:00	6.92	.0015	.0197
9:00	2.40	.0005	.0051					5:40	13.4	.0029	.0203				
<i>p. m.</i>				<i>p. m.</i>				7:20	12.3	.0027	.0250				
6:00	2.40	.0005	.0097	1:00	1.28	.0003	.0032	8:20	11.6	.0025	.0276	May 30			
7:30	2.49	.0005	.0105	2:00	1.28	.0003	.0035	9:40	10.9	.0024	.0308	<i>a. m.</i>			
10:00	2.59	.0005	.0119	:40	1.28	.0003	.0037	11:00	10.4	.0022	.0339	12:20	6.92	.0015	.0005
12:00	2.59	.0005	.0130	3:00	1.34	.0003	.0038					:40	6.92	.0015	.0010
May 17				:20	1.34	.0003	.0039	<i>p. m.</i>				1:00	7.11	.0015	.0015
<i>a. m.</i>				:40	1.40	.0003	.0040	12:20	9.86	.0021	.0368	:20	7.52	.0016	.0020
3:00	2.59	.0005	.0017	4:00	1.40	.0003	.0041	1:50	9.36	.0020	.0398	:40	7.96	.0017	.0025
5:00	2.49	.0005	.0028	5:00	1.40	.0003	.0044	3:20	8.88	.0019	.0428	2:00	8.88	.0019	.0031
8:30	2.40	.0005	.0046	:20	1.47	.0003	.0045	5:00	8.40	.0018	.0458	:20	9.86	.0021	.0038
<i>p. m.</i>				6:00	1.47	.0003	.0047	6:30	7.96	.0017	.0485	:40	10.9	.0024	.0045
3:30	2.20	.0005	.0081	:40	1.47	.0003	.0049	8:30	7.52	.0016	.0517	3:00	11.6	.0025	.0053
7:00	2.20	.0005	.0098	7:00	1.54	.0003	.0050	10:00	7.30	.0016	.0541	:20	12.6	.0027	.0062
12:00	2.11	.0004	.0121	8:00	1.54	.0003	.0053	11:20	7.11	.0015	.0562	:40	14.1	.0030	.0071
May 18				9:00	1.54	.0003	.0056	12:00	7.11	.0015	.0572	4:00	15.5	.0034	.0082
<i>a. m.</i>				:20	1.62	.0004	.0057					:20	17.0	.0037	.0094
10:00	2.11	.0004	.0046	:40	1.62	.0004	.0058	May 26				:40	18.1	.0039	.0107
<i>p. m.</i>				10:00	1.69	.0004	.0059	<i>a. m.</i>				5:00	18.6	.0040	.0120
2:30	2.02	.0004	.0066	:40	1.69	.0004	.0061	1:30	6.92	.0015	.0022	:20	18.1	.0039	.0133
7:00	1.85	.0004	.0085	11:00	1.76	.0004	.0062	4:00	6.73	.0014	.0057	:40	17.6	.0038	.0146
12:00	1.76	.0004	.0104	:20	1.76	.0004	.0063	6:40	6.54	.0014	.0094	6:00	16.0	.0035	.0158
May 19				:40	1.76	.0004	.0064	9:00	6.35	.0014	.0127	:20	15.0	.0032	.0169
<i>a. m.</i>				12:00	1.85	.0004	.0065	11:00	6.17	.0013	.0155	:40	14.1	.0030	.0179
1:30	1.76	.0004	.0006	May 24				<i>p. m.</i>				7:00	13.7	.0030	.0189
3:30	1.85	.0004	.0014	12:20	1.85	.0004	.0001	12:30	5.99	.0013	.0175	:20	13.0	.0028	.0199
5:30	1.85	.0004	.0022	:40	1.85	.0004	.0002	3:00	5.64	.0012	.0205	:40	12.6	.0027	.0208
8:30	1.94	.0004	.0034	1:00	1.94	.0004	.0003	4:00	5.46	.0012	.0217	8:00	12.3	.0027	.0217
11:30	1.94	.0004	.0047	:20	1.94	.0004	.0004	6:00	5.30	.0011	.0241	:20	11.9	.0026	.0226
<i>p. m.</i>				:40	2.02	.0004	.0005	9:00	5.14	.0011	.0274	:40	11.6	.0025	.0235
2:30	1.85	.0004	.0059	2:00	2.11	.0004	.0006	12:00	5.14	.0011	.0307	9:00	11.2	.0024	.0243
:45	1.85	.0004	.0060	:20	2.30	.0005	.0008	May 27				:20	11.2	.0024	.0259
:50	2.02	.0004		:40	2.40	.0005	.0010	<i>a. m.</i>				:40	11.6	.0025	.0267
3:00	2.02	.0004	.0061	3:00	2.59	.0005	.0012	2:00	4.97	.0011	.0022	11:00	11.9	.0026	.0275
:20	2.11	.0004	.0062	:20	2.69	.0006	.0014	4:00	4.97	.0011	.0044	:20	12.3	.0027	.0293
:40	2.20	.0005	.0064	:40	2.91	.0006	.0016	8:00	4.81	.0010	.0084	:40	13.0	.0028	.0302
4:00	2.20	.0005	.0066	4:00	3.14	.0007	.0018	10:30	4.65	.0010	.0109	12:00	13.7	.0030	.0312
5:00	2.20	.0005	.0071	:20	3.51	.0008	.0020	12:00	4.65	.0010	.0124	:40	14.1	.0030	.0322
6:20	2.40	.0005	.0078	:40	3.90	.0008	.0023	<i>p. m.</i>				12:20	14.5	.0031	.0332
7:10	2.40	.0005	.0082	5:00	4.20	.0009	.0026	2:00	4.50	.0010	.0144	:40	15.0	.0032	.0343
8:20	2.59	.0005	.0088	:20	4.50	.0010	.0029	5:30	4.20	.0009	.0177	1:00	15.0	.0032	.0354
9:20	2.69	.0006	.0094	:40	4.81	.0010	.0032	7:00	4.05	.0009	.0190	:20	15.5	.0034	.0365
10:40	2.69	.0006	.0102	6:00	5.46	.0012	.0036	12:00	4.05	.0009	.0234	:40	15.5	.0034	.0376
12:00	2.49	.0005	.0109	:20	6.35	.0014	.0040	May 28				2:00	15.5	.0034	.0387
May 20				:40	7.11	.0015	.0045	<i>a. m.</i>				:40	15.0	.0032	.0398
<i>a. m.</i>				7:00	7.96	.0017	.0050	4:00	3.90	.0008	.0034	3:00	14.5	.0031	.0400
1:00	2.40	.0005	.0005	:20	8.88	.0019	.0056	10:00	3.90	.0008	.0085	:20	14.5	.0031	.0430
3:20	2.40	.0005	.0017	:40	10.4	.0022	.0063	<i>p. m.</i>				:40	15.0	.0032	.0441
4:30	2.30	.0005	.0023	8:00	12.6	.0027	.0071	2:00	3.77	.0008	.0118	4:00	15.0	.0032	.0452
6:30	2.20	.0005	.0033	:20	15.5	.0034	.0081	4:00	3.77	.0008	.0118	:20	15.5	.0034	.0463
8:00	2.20	.0005	.0040	:40	18.6	.0040	.0093	6:30	3.51	.0008	.0153	:40	16.5	.0036	.0475
12:00	2.02	.0004	.0058	9:00	21.6	.0047	.0108	8:30	3.38	.0007	.0168	5:00	17.6	.0038	.0487
<i>p. m.</i>				:20	25.5	.0055	.0125	12:00	3.38	.0007	.0194	:20	19.6	.0042	.0500
3:00	1.94	.0004	.0071	:40	30.4	.0066	.0145	May 29				:40	21.6	.0047	.0515
6:30	1.76	.0004	.0085	10:00	33.7	.0073	.0168	<i>a. m.</i>				6:00	24.9	.0054	.0532
9:00	1.69	.0004	.0094	:20	36.6	.0079	.0193	3:00	3.25	.0007	.0022	:20	29.5	.0065	.0552
12:00	1.69	.0004	.0105	:40	39.7	.0086	.0220	9:00	3.25	.0007	.0064	:40	33.7	.0073	.0575
May 21				11:00	44.9	.0097	.0251	<i>p. m.</i>				7:00	37.6	.0081	.0601
<i>a. m.</i>				:20	49.9	.0108	.0285	12:30	3.14	.0007	.0088	:20	41.8	.0090	.0630
1:30	1.62	.0004	.0005	:40	56.2	.0122	.0323	4:00	2.91	.0006	.0111	:40	46.2	.0100	.0662
3:00	1.69	.0004	.0010	12:00	60.6	.0131	.0365	:20	2.91	.0006	.0116	8:00	48.7	.0105	.0696
5:30	1.69	.0004	.0019					:48	2.91	.0006	.0116	:20	51.2	.0111	.0732
7:30	1.76	.0004	.0026					5:00	2.91	.0006	.0116	:40	53.7	.0116	.0770
12:00	1.76	.0004	.0043					:50	2.91	.0006	.0116	9:00	55.0	.0119	.0809
<i>p. m.</i>								:10	3.03	.0006	.0118	:20	55.0	.0119	.0849
4:30	1.62	.0004	.0059					:20	3.03	.0006	.0119	:40	56.2	.0122	.0889
6:00	1.54	.0003	.0064					:40	3.14	.0007	.0121	10:00	56.2	.0122	.0930
8:20	1.47	.0003	.0072					6:00	3.25	.0007	.0123	:20	56.2	.0122	.0971
12:00	1.40	.0003	.0083					:20	3.38	.0007	.0126	:40	55.0	.0119	.1011
May 22								:40	3.38	.0007	.0126	11:00	55.0	.0119	.1051
<i>a. m.</i>								7:00	3.90	.0008	.0128	12:00	49.9	.0108	.1165
4:30	1.40	.0003	.0014					:50	4.50	.0010	.0130	May 31			
8:00	1.47	.0003	.0025					:20	4.97	.0011	.0133	<i>a. m.</i>			
<i>p. m.</i>								:40	5.46	.0012	.0137	1:00	44.9	.0097	.0102
1:00	1.47	.0003	.0041					8:00	5.14	.0011	.0141	2:00	40.7	.0088	.0194
9:30	1.15	.0002	.0065					:20	4.97	.0011	.0145	3:00	37.6	.0081	.0278
12:00	1.09	.0002	.0071					:40	5.30	.0011	.0149	4:00	34.5	.0075	.0356
								9:00	5.64	.0012	.0153	5:10	32.0	.0069	.0440
								:20	6.17	.0013	.0157	6:30	29.5	.0065	.0529
								:40	6.35	.0014	.0162	7:40	27.0	.0058	.0601
								10:00	6.54	.0014	.0167	8:40	25.5	.0055	.0657
								:20	6.92	.0015	.0172	10:20	23.6	.0051	.0745
								:40	7.30	.0016	.0177	11:40	22.2	.0048	.0812



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
May 31					June 7					June 9				
p. m.					a. m.					p. m.				
1:00-----	20.9	0.0045	0.0873		10:00-----	3.25	0.0007	0.0069		10:00-----	9.60	0.0021	0.0450	
2:20-----	19.6	.0042	.0932							3:30-----	9.12	.0020	.0460	
3:40-----	18.6	.0040	.0987		p. m.					11:15-----	8.64	.0019	.0475	
5:10-----	17.0	.0037	.1044		7:00-----	3.25	.0007	.0133		12:00-----	8.40	.0018	.0489	
6:00-----	16.5	.0036	.1074		8:00-----	3.64	.0008	.0140		June 10				
7:20-----	15.5	.0034	.1121		9:40-----	3.64	.0008	.0145		a. m.				
9:10-----	14.5	.0031	.1180		10:20-----	3.51	.0008	.0151		1:00-----	7.96	.0017	.0018	
11:30-----	13.7	.0030	.1250		12:00-----	3.38	.0007	.0157		2:10-----	7.96	.0017	.0038	
12:00-----	13.7	.0030	.1265			3.25	.0007	.0169		3:10-----	7.74	.0017	.0055	
June 1					June 8					4:30-----	7.30	.0016	.0076	
a. m.					p. m.					6:00-----	6.92	.0015	.0100	
1:00-----	13.4	.0029	.0030		1:00-----	3.25	.0007	.0092		8:00-----	6.54	.0014	.0128	
2:30-----	13.0	.0028	.0072		2:25-----	3.14	.0007	.0102		9:00-----	6.35	.0014	.0142	
4:20-----	12.6	.0027	.0123		4:45-----	3.14	.0007	.0104		10:20-----	6.17	.0013	.0161	
6:20-----	12.3	.0027	.0177		3:00-----	3.25	.0007	.0106		p. m.				
8:00-----	11.9	.0026	.0220		3:30-----	3.25	.0007	.0108		12:30-----	5.99	.0013	.0189	
9:40-----	11.6	.0025	.0263		4:00-----	3.51	.0008	.0110		1:00-----	5.99	.0013	.0195	
11:10-----	11.2	.0024	.0299		4:30-----	3.77	.0008	.0113		2:00-----	5.99	.0013	.0196	
p. m.					5:00-----	3.90	.0008	.0114		3:00-----	6.73	.0014	.0199	
12:50-----	10.9	.0024	.0339		5:30-----	4.20	.0009	.0115		4:00-----	8.18	.0018	.0200	
2:00-----	10.6	.0023	.0367		6:00-----	4.35	.0009	.0117		5:00-----	11.6	.0025	.0201	
4:00-----	10.1	.0022	.0411		6:30-----	5.14	.0011	.0119		6:00-----	15.5	.0034	.0202	
6:20-----	9.60	.0021	.0462		7:00-----	6.54	.0014	.0121		7:30-----	23.6	.0051	.0203	
9:00-----	9.36	.0020	.0515		7:30-----	7.30	.0016	.0123		8:00-----	37.6	.0081	.0205	
10:00-----	9.36	.0020	.0535		8:00-----	7.74	.0017	.0128		9:00-----	48.7	.0105	.0208	
12:00-----	9.12	.0020	.0575		8:30-----	8.18	.0018	.0131		10:00-----	65.2	.0141	.0214	
June 2					8:40-----	8.18	.0018	.0131		11:00-----	78.5	.0170	.0227	
a. m.					9:00-----	10.9	.0024	.0138		12:00-----	124	.0268	.0263	
1:30-----	9.12	.0020	.0030		9:30-----	13.7	.0030	.0149		1:00-----	180	.0390	.0318	
5:00-----	8.88	.0019	.0100		10:00-----	18.6	.0040	.0161		2:00-----	215	.0530	.0471	
8:10-----	8.64	.0019	.0160		10:30-----	19.6	.0042	.0168		3:00-----	275	.0595	.0527	
11:00-----	8.40	.0018	.0211		11:00-----	17.0	.0037	.0192		4:00-----	280	.0606	.0587	
p. m.					11:30-----	14.1	.0030	.0209		5:00-----	290	.0628	.0669	
12:40-----	8.18	.0018	.0241		12:00-----	11.6	.0025	.0228		6:00-----	290	.0628	.0774	
3:00-----	7.74	.0017	.0283			9.86	.0021	.0247		7:00-----	298	.0645	.0850	
5:00-----	7.30	.0016	.0315		10:20-----	8.40	.0018	.0264		8:00-----	275	.0595	.1057	
6:10-----	7.11	.0015	.0334		11:20-----	7.11	.0015	.0280		9:00-----	236	.0511	.1234	
8:00-----	6.92	.0015	.0362		12:00-----	6.54	.0014	.0289		10:00-----	210	.0455	.1266	
12:00-----	6.73	.0014	.0418		June 9					11:00-----	189	.0409	.1302	
June 3					a. m.					12:00-----	164	.0355	.1398	
a. m.					12:20-----	6.35	.0014	.0005		1:00-----	143	.0310	.1509	
8:00-----	6.73	.0014	.0112		1:00-----	6.17	.0013	.0010		2:00-----	140	.0303	.1560	
10:30-----	6.54	.0014	.0147		2:00-----	5.99	.0013	.0014		3:00-----	127	.0275	.1608	
p. m.					3:00-----	5.82	.0012	.0018		4:00-----	110	.0238	.1693	
1:00-----	6.35	.0014	.0182		4:00-----	5.64	.0012	.0022		5:00-----	98.2	.0212	.1768	
4:00-----	5.82	.0012	.0221		5:00-----	5.64	.0012	.0025		6:00-----	85.9	.0186	.1834	
5:20-----	5.64	.0012	.0237		6:00-----	5.46	.0012	.0034		7:00-----	76.6	.0166	.1893	
7:30-----	5.46	.0012	.0263		7:00-----	5.46	.0012	.0044		8:00-----	69.8	.0151	.1946	
12:00-----	5.46	.0012	.0317		8:00-----	5.46	.0012	.0054		9:00-----	65.2	.0141	.1995	
June 4					9:00-----	5.64	.0012	.0060		10:00-----	60.6	.0131	.2040	
a. m.					10:00-----	5.46	.0012	.0062		11:00-----	57.5	.0124	.2083	
5:00-----	5.64	.0012	.0060		11:00-----	5.46	.0012	.0064		12:00-----	55.0	.0119	.2124	
9:00-----	5.46	.0012	.0108			5.46	.0012	.0066			52.5	.0114	.2163	
11:00-----	5.46	.0012	.0132		12:00-----	5.46	.0012	.0069			49.9	.0108	.2219	
p. m.						5.46	.0012	.0070			46.2	.0100	.2323	
2:00-----	5.14	.0011	.0168		June 10					10:30-----	41.8	.0090	.2418	
4:30-----	4.65	.0010	.0193		a. m.					11:30-----	38.7	.0084	.2505	
7:00-----	4.35	.0009	.0217		12:00-----	14.1	.0030	.0083		12:00-----	37.6	.0081	.2546	
12:00-----	4.35	.0009	.0264		1:00-----	14.1	.0030	.0083		June 11				
June 5					2:00-----	14.1	.0030	.0083		a. m.				
a. m.					3:00-----	14.1	.0030	.0083		12:30-----	35.5	.0077	.0040	
4:00-----	4.50	.0010	.0038		4:00-----	14.1	.0030	.0083		1:10-----	33.7	.0073	.0090	
11:00-----	4.50	.0010	.0107		5:00-----	14.1	.0030	.0083		2:00-----	32.0	.0069	.0149	
p. m.					6:00-----	14.1	.0030	.0083		3:20-----	29.5	.0065	.0238	
1:00-----	4.35	.0009	.0126		7:00-----	14.1	.0030	.0083		4:20-----	27.9	.0060	.0300	
6:40-----	3.51	.0008	.0174		8:00-----	14.1	.0030	.0083		5:10-----	27.9	.0060	.0350	
10:00-----	3.38	.0007	.0199		9:00-----	14.1	.0030	.0083		6:10-----	31.2	.0068	.0414	
12:00-----	3.51	.0008	.0214		10:00-----	14.1	.0030	.0083		7:00-----	32.0	.0069	.0448	
June 6					11:00-----	14.1	.0030	.0083		8:00-----	31.2	.0068	.0471	
a. m.					12:00-----	14.1	.0030	.0083		9:00-----	29.5	.0065	.0537	
1:00-----	3.51	.0008	.0008			14.1	.0030	.0083		10:00-----	27.9	.0060	.0599	
3:30-----	3.64	.0008	.0027		June 11					11:00-----	26.2	.0057	.0657	
7:00-----	3.77	.0008	.0055		a. m.					12:00-----	24.2	.0052	.0729	
11:30-----	3.77	.0008	.0092		12:30-----	35.5	.0077	.0040		June 12				
p. m.					1:10-----	33.7	.0073	.0090		p. m.				
1:00-----	3.64	.0008	.0104		2:00-----	32.0	.0069	.0149		1:30-----	18.1	.0039	.0713	
3:30-----	3.38	.0007	.0123		3:20-----	29.5	.0065	.0238		3:00-----	16.5	.0036	.0770	
7:00-----	3.03	.0006	.0147		4:20-----	27.9	.0060	.0300		4:30-----	15.0	.0032	.0821	
9:30-----	3.03	.0006	.0163		5:10-----	27.9	.0060	.0350		5:50-----	14.1	.0030	.0862	
12:00-----	3.14	.0007	.0180		6:10-----	31.2	.0068	.0414		7:30-----	13.4	.0029	.0912	
June 7					7:00-----	32.0	.0069	.0448		9:30-----	13.0	.0028	.0968	
a. m.					8:00-----	31.2	.0068	.0471		12:00-----	13.0	.0028	.1038	
1:00-----	3.51	.0008	.0008		9:00-----	29.5	.0065	.0537		June 13				
3:30-----	3.64	.0008	.0027		10:00-----	27.9	.0060	.0599		a. m.				
7:00-----	3.77	.0008	.0055		11:00-----	26.2	.0057	.0657		1:00-----	34.5	.0075	.0072	
11:30-----	3.77	.0008	.0092		12:00-----	24.2	.0052	.0729		3:00-----	32.8	.0071	.0108	
p. m.					June 12					4:00-----	30.4	.0066	.0142	
1:00-----	3.64	.0008	.0104		a. m.					5:00-----	27.0	.0058	.0204	
3:30-----	3.38	.												



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 14				June 18				June 23				June 25			
p. m.				p. m.				a. m.				p. m.			
5:00	9.36	0.0020	0.0427	5:50	534	0.116	0.1535	6:00	6.35	0.0014	0.0084	8:30	35.5	0.0077	0.0519
8:00	9.36	.0020	.0487	6:00	520	.113	.1725	10:30	6.17	.0013	.0147	8:55	32.8	.0071	.0550
9:00	9.60	.0021	.0507	10	497	.108	.1909					9:10	32.8	.0071	.0568
10:00	9.60	.0021	.0528	20	465	.101	.2083	p. m.				9:30	33.7	.0073	.0592
12:00	9.36	.0020	.0568	30	412	.0892	.2247	12:30	5.99	.0013	.0173	9:40	33.7	.0073	.0604
June 15				35	380	.0823	.2319	5:00	5.30	.0011	.0227	10:00	32.8	.0071	.0628
a. m.				40	336	.0727	.2384	6:30	5.14	.0011	.0243	10:30	30.4	.0066	.0662
3:00	9.36	.0020	.0060	45	290	.0628	.2440	7:53	4.97	.0011	.0258	11:00	27.0	.0058	.0693
10:30	8.88	.0019	.0210	50	240	.0520	.2488	8:20	4.97	.0011	.0263	11:30	24.2	.0052	.0721
				7:00	192	.0416	.2644	30	5.82	.0012	.0265	12:00	22.2	.0048	.0746
				10	161	.0348	.2708	35	6.54	.0014	.0266				
				20	143	.0310	.2763	40	8.64	.0019	.0267	June 26			
				40	117	.0253	.2857	44	11.6	.0025	.0268	a. m.			
				8:00	103	.0223	.2936	48	15.5	.0034	.0270	1:00	19.6	.0042	.0045
				20	89.6	.0194	.3005	52	19.6	.0042	.0273	2:20	18.1	.0039	.0098
				40	82.2	.0178	.3067	9:00	25.5	.0055	.0279	3:40	16.5	.0036	.0149
				9:00	74.8	.0162	.3124	10	33.7	.0073	.0290	5:00	15.0	.0032	.0194
				30	68.3	.0148	.3202	20	38.7	.0084	.0303	6:40	13.7	.0030	.0246
				10:00	62.1	.0134	.3272	30	51.2	.0111	.0319	8:10	13.0	.0028	.0290
				30	57.5	.0124	.3336	40	74.8	.0162	.0342	9:50	12.3	.0027	.0337
				11:00	53.7	.0116	.3396	48	89.6	.0194	.0366	11:30	11.6	.0025	.0380
				30	51.2	.0111	.3453	10:00	100.	.0216	.0407				
				12:00	48.7	.0105	.3507	10	112.	.0242	.0445	p. m.			
								16	117.	.0253	.0470	12:10	11.2	.0024	.0396
				June 19				30	112.	.0242	.0528	1:20	12.3	.0027	.0426
				a. m.				11:00	89.6	.0194	.0637	2:00	11.6	.0025	.0443
				1:00	44.9	.0097	.0101	30	71.4	.0154	.0724	3:00	11.6	.0025	.0468
				2:00	41.8	.0090	.0195	12:00	60.6	.0131	.0795	4:00	10.9	.0024	.0492
				3:00	38.7	.0084	.0282					5:00	10.6	.0023	.0516
				4:00	36.6	.0079	.0364	June 24				7:00	10.1	.0022	.0560
				5:20	33.7	.0073	.0465	a. m.				9:00	9.60	.0021	.0604
				6:20	32.0	.0069	.0536	12:30	49.9	.0108	.0060	10:40	9.36	.0020	.0637
				7:30	30.4	.0066	.0615	1:00	41.8	.0090	.0110	12:00	9.36	.0020	.0664
				8:40	28.7	.0062	.0690	3:00	35.5	.0077	.0152	June 27			
				9:20	27.9	.0060	.0731	2:00	32.0	.0069	.0188	a. m.			
				10:50	25.5	.0055	.0818	3:00	28.7	.0062	.0221	3:30	9.12	.0020	.0070
				12:00	24.2	.0052	.0881	3:00	25.5	.0055	.0250	7:30	8.88	.0019	.0150
								4:00	22.2	.0048	.0302	10:00	8.64	.0019	.0198
				1:30	22.2	.0048	.0956	5:00	20.3	.0044	.0348	11:40	8.40	.0018	.0228
				3:00	19.6	.0042	.1024	3:00	19.1	.0041	.0369				
				4:20	18.1	.0039	.1077	6:30	17.6	.0038	.0409	p. m.			
				5:30	16.5	.0036	.1121	8:00	16.0	.0035	.0463	2:00	7.96	.0017	.0270
				6:40	15.5	.0034	.1162	9:20	14.5	.0031	.0507	6:20	6.92	.0015	.0339
				8:10	14.5	.0031	.1210	10:00	14.1	.0030	.0527	8:00	6.73	.0014	.0362
				9:30	14.1	.0030	.1250	12:00	13.4	.0029	.0587	12:00	6.73	.0014	.0418
				11:00	13.7	.0030	.1295								
				12:00	13.7	.0030	.1325	p. m.				a. m.			
								12:40	13.0	.0028	.0606	5:00	6.92	.0015	.0070
				June 20				2:20	12.6	.0027	.0653	7:38	6.92	.0015	.0110
				a. m.				4:10	11.9	.0026	.0701	8:00	6.92	.0015	.0110
				2:00	13.4	.0029	.0060	5:10	11.6	.0025	.0727	8:10	8.18	.0018	.0113
				4:00	13.0	.0028	.0116	6:00	10.9	.0024	.0747	8:50	9.86	.0021	.0115
				6:00	12.6	.0027	.0172	7:00	10.1	.0022	.0770	14:1	14.1	.0030	.0117
				8:00	12.3	.0027	.0226	8:00	9.60	.0021	.0796	18:1	18.1	.0031	.0119
				9:30	11.9	.0026	.0265	10:00	9.12	.0020	.0833	24:2	24.2	.0052	.0122
				11:30	11.2	.0024	.0315	11:10	8.88	.0019	.0856	32:0	32.0	.0069	.0126
								12:00	8.88	.0019	.0872	41:8	41.8	.0090	.0131
				June 21								59:0	59.0	.0128	.0140
				a. m.				June 25				74:8	74.8	.0162	.0152
				7:30	8.40	.0018	.0135	a. m.				100	100	.0216	.0168
				10:00	8.18	.0018	.0180	2:30	8.64	.0019	.0048	130	130	.0281	.0189
				12:00	7.96	.0017	.0216	5:30	8.40	.0018	.0102	161	161	.0348	.0215
								8:30	8.18	.0018	.0156	189	189	.0409	.0247
				p. m.				10:30	7.96	.0017	.0192	221	221	.0478	.0284
				4:30	7.11	.0015	.0288					260	260	.0563	.0371
				7:00	6.73	.0014	.0358	p. m.				280	280	.0606	.0420
				9:30	6.54	.0014	.0393	12:40	7.52	.0016	.0227	330	330	.0714	.0475
				12:00	6.73	.0014	.0435	2:38	7.11	.0015	.0258	375	375	.0812	.0539
								3:00	7.11	.0015	.0264	414	414	.0896	.0610
				June 22				4:30	6.73	.0014	.0285	424	424	.0918	.0686
				a. m.				5:30	6.73	.0014	.0299	433	433	.0937	.0763
				10:00	6.73	.0014	.0140	6:00	6.92	.0015	.0306	463	463	.100	.0844
				p. m.				7:00	7.11	.0015	.0311	490	490	.106	.0930
				4:30	7.11	.0015	.0288	8:00	7.30	.0016	.0313	527	527	.114	.1022
				7:00	6.73	.0014	.0323	9:00	7.96	.0017	.0314	579	579	.125	.1122
				9:30	6.54	.0014	.0358	10:00	8.64	.0019	.0315	653	653	.141	.1233
				12:00	6.35	.0014	.0386	11:00	8.40	.0018	.0316	746	746	.162	.1359
								12:00	8.18	.0017	.0317	774	774	.168	.1496
				June 23								774	774	.168	.1580
				a. m.								774	774	.168	.1636
				4:30	7.11	.0015	.0288					774	774	.168	.1636
				7:00	6.73	.0014	.0323					774	774	.168	.1636
				9:30	6.54	.0014	.0358					774	774	.168	.1636
				12:00	6.35	.0014	.0386					774	774	.168	.1636
												774	774	.168	.1636
				June 24								774	774	.168	.1636
				a. m.								774	774	.168	.1636
				4:30	7.11	.0015	.0288					774	774	.168	.1636
				7:00	6.73	.0014	.0323					774	774	.168	.1636
				9:30	6.54	.0014	.0358					774	774	.168	.1636
				12:00	6.35	.0014	.0386					774	774	.168	.1636
												774	774	.168	.1636
				June 25								774	774	.168	.1636
				a. m.								774	774	.168	.1636
				4:30	7.11	.0015	.0288					774	774	.168	.1636
				7:00	6.73	.0014	.0323					774	774	.168	.1636
				9:30	6.54	.0014	.0358					774	774	.168	.1636
				12:00	6.35	.0014	.0386					774	774	.168	.1636
												774	774	.168	.1636
				June 26								774	774	.168	.1636
				a. m.								774	774	.168	.1636
				4:30	7.11	.0015									



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	
June 28				July 1				July 7				July 12				
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	
12:10	333	0.0721	0.4187	2:00	96.0	0.0207	0.0341	3:00	4.65	0.0010	0.0030	12:30	3.25	0.0007	0.0119	
:15	302	.0654	.4244	:15	91.5	.0198	.0393	3:00	4.81	.0010	.0080	3:30	3.14	.0007	.0140	
:20	275	.0595	.4296	3:00	82.2	.0178	.0534	11:00	4.81	.0010	.0110	4:30	3.03	.0006	.0146	
:30	229	.0496	.4387	:30	74.8	.0162	.0619					6:00	2.91	.0006	.0155	
:40	199	.0431	.4464	4:00	69.8	.0151	.0697	<i>p. m.</i>				7:20	2.80	.0006	.0163	
1:00	161	.0348	.4594	:30	65.2	.0141	.0770	1:00	4.65	.0010	.0130	9:00	2.69	.0006	.0173	
:20	137	.0296	.4701	5:00	59.0	.0127	.0837	7:00	3.77	.0008	.0184	11:30	2.59	.0006	.0188	
:50	114	.0247	.4837	6:00	52.5	.0113	.0957	9:00	3.64	.0008	.0200	12:00	2.59	.0006	.0191	
2:00	107	.0232	.4877	7:00	46.2	.0100	.1063	10:30	3.64	.0008	.0212					
:30	96.0	.0208	.4957	8:30	40.7	.0088	.1204	12:00	3.77	.0008	.0224	July 13				
3:00	84.1	.0182	.5085	10:00	36.6	.0079	.1329	July 8				<i>a. m.</i>				
:30	76.6	.0166	.5172	11:30	33.7	.0073	.1443	1:00	3.77	.0009	.0008	11:00	2.50	.0006	.0066	
4:00	69.8	.0151	.5251	<i>p. m.</i>				<i>a. m.</i>				<i>p. m.</i>				
:30	65.2	.0141	.5324	1:00	30.4	.0066	.1547	5:00	4.05	.0009	.0040	1:20	2.49	.0005	.0078	
5:00	60.6	.0131	.5392	:30	29.5	.0064	.1580	11:00	4.05	.0009	.0094	8:30	2.02	.0004	.0114	
6:00	53.7	.0116	.5516	2:30	27.0	.0058	.1641					12:00	1.94	.0004	.0128	
:30	52.5	.0114	.5574	3:30	25.5	.0055	.1697	<i>p. m.</i>				July 14				
7:30	48.7	.0105	.5684	5:00	23.6	.0051	.1777	1:00	4.05	.0009	.0110	<i>a. m.</i>				
8:30	44.9	.0097	.5785	6:30	22.2	.0048	.1852	7:30	3.25	.0007	.0162	6:30	2.11	.0005	.0030	
9:20	42.8	.0093	.5864	7:30	21.6	.0047	.1899	9:30	3.14	.0007	.0176	10:30	2.20	.0005	.0050	
10:30	39.7	.0086	.5969	9:00	20.9	.0045	.1968	12:00	3.25	.0007	.0194	<i>p. m.</i>				
11:40	37.6	.0081	.6067	11:00	20.3	.0044	.2056	July 9				12:30	2.20	.0005	.0060	
12:00	36.6	.0079	.6094	12:00	19.6	.0042	.2099	<i>a. m.</i>				2:30	2.11	.0005	.0070	
June 29				July 2				July 10				July 15				
<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				
12:20	36.6	.0079	.0026	1:30	19.6	.0042	.0063	2:30	3.25	.0007	.0018	1:30	1.62	.0004	.0066	
1:30	34.5	.0075	.0116	3:30	19.1	.0041	.0145	5:00	3.38	.0007	.0036	2:30	1.69	.0004	.0070	
3:00	32.8	.0071	.0226	6:00	18.6	.0040	.0248	11:00	3.51	.0008	.0078	9:30	1.69	.0004	.0105	
4:20	31.2	.0068	.0319	8:00	18.1	.0039	.0326					12:00	1.62	.0004	.0115	
6:00	29.5	.0065	.0429	10:00	17.6	.0038	.0404	<i>p. m.</i>								
7:30	27.9	.0060	.0522	12:00	16.5	.0036	.0478	12:30	3.51	.0008	.0090	<i>a. m.</i>				
9:00	26.2	.0057	.0609					1:00	3.64	.0008	.0094	1:30	1.62	.0004	.0066	
10:30	24.9	.0054	.0693	<i>p. m.</i>				2:30	3.38	.0007	.0106	4:00	1.69	.0004	.0016	
				12:30	16.0	.0035	.0496	8:00	3.25	.0007	.0145	8:00	1.85	.0004	.0032	
<i>p. m.</i>				2:30	14.5	.0031	.0562	10:00	3.14	.0007	.0159	<i>p. m.</i>				
1:20	22.9	.0050	.0838	4:30	13.7	.0030	.0624	12:00	3.25	.0007	.0173	2:30	1.85	.0004	.0058	
3:00	22.2	.0048	.0920	6:10	13.0	.0028	.0672					4:00	1.76	.0004	.0064	
5:00	22.2	.0048	.1016	7:20	12.6	.0027	.0705	July 11				8:30	1.54	.0003	.0082	
6:20	20.9	.0045	.1077	10:00	12.3	.0027	.0777	12:30	3.25	.0007	.0087	10:30	1.47	.0003	.0088	
7:30	19.6	.0042	.1128	12:00	12.3	.0027	.0831	2:00	3.03	.0006	.0098	12:00	1.76	.0004	.0093	
9:40	18.6	.0040	.1217	July 3				July 11				<i>a. m.</i>				
11:00	18.1	.0039	.1270	<i>a. m.</i>				6:00	2.69	.0006	.0122	1:30	1.76	.0004	.0066	
12:00	17.6	.0038	.1303	5:00	12.3	.0027	.0135	10:00	2.40	.0005	.0146	4:00	1.94	.0004	.0016	
June 30				8:00	11.9	.0026	.0216	12:00	2.49	.0005	.0156	6:00	2.20	.0005	.0024	
<i>a. m.</i>				10:00	11.6	.0025	.0268	July 11				9:00	2.26	.0005	.0039	
12:30	17.6	.0038	.0019	12:00	10.9	.0024	.0316	<i>a. m.</i>								
2:00	17.0	.0037	.0076	<i>p. m.</i>				2:00	2.49	.0005	.0010	<i>p. m.</i>				
3:40	16.5	.0036	.0136	4:00	9.60	.0021	.0408	6:00	2.69	.0006	.0030	3:30	1.85	.0004	.0072	
4:30	16.5	.0036	.0166	5:50	9.12	.0020	.0446	9:00	2.80	.0006	.0048	10:30	1.47	.0003	.0160	
6:20	16.0	.0035	.0232	7:00	8.88	.0019	.0489	<i>p. m.</i>				12:00	1.47	.0003	.0105	
8:00	15.5	.0034	.0289	9:00	8.64	.0019	.0507	12:30	2.80	.0006	.0069					
10:00	15.0	.0032	.0355	12:00	8.83	.0019	.0564	2:00	2.69	.0006	.0078	July 17				
11:00	14.5	.0031	.0387	July 4				July 12				<i>a. m.</i>				
				<i>a. m.</i>				3:00	2.59	.0006	.0084					
<i>p. m.</i>				7:00	8.88	.0019	.0133	4:00	2.49	.0005	.0090	<i>a. m.</i>				
12:40	13.7	.0030	.0437	10:30	8.64	.0019	.0200	:12	2.49	.0005	.0091	5:00	1.47	.0003	.0015	
2:00	13.0	.0028	.0476	<i>p. m.</i>				:50	2.59	.0006	.0094	8:00	1.54	.0003	.0024	
3:15	12.3	.0027	.0511	12:20	8.40	.0018	.0233	5:00	2.69	.0006	.0095					
5:20	12.3	.0027	.0567	6:00	7.11	.0015	.0329	6:00	3.25	.0007	.0101	<i>p. m.</i>				
:40	12.3	.0027	.0575	8:00	6.92	.0015	.0359	:30	3.38	.0007	.0105	1:30	1.54	.0003	.0041	
6:00	12.6	.0027	.0585	12:00	6.92	.0015	.0419	7:00	4.20	.0009	.0109	3:30	1.47	.0003	.0047	
:20	12.6	.0027	.0594	July 5				July 12				7:30	1.34	.0003	.0059	
:40	13.0	.0028	.0603	<i>a. m.</i>				8:00	5.46	.0012	.0116	12:00	1.21	.0003	.0073	
7:00	13.4	.0029	.0612	4:00	7.11	.0015	.0060	:40	5.46	.0012	.0120					
:20	13.7	.0030	.0622	9:00	6.92	.0015	.0135	:10	6.35	.0014	.0122	July 18				
:40	14.1	.0030	.0632	12:00	6.73	.0015	.0180	:40	8.64	.0019	.0130	<i>a. m.</i>				
8:00	14.5	.0031	.0642	<i>p. m.</i>				:50	9.36	.0020	.0133	3:30	1.21	.0003	.0010	
:20	15.0	.0032	.0653	6:00	5.64	.0012	.0258	9:00	9.60	.0021	.0136	9:00	1.34	.0003	.0027	
:40	15.5	.0034	.0664	8:00	5.46	.0012	.0282	:30	11.2	.0024	.0148	<i>p. m.</i>				
9:00	16.5	.0036	.0676	12:00	5.46	.0012	.0330	:45	11.6	.0025	.0154	1:00	1.40	.0003	.0039	
:20	17.0	.0037	.0688	July 6				July 12				4:00	1.34	.0003	.0048	
:40	18.1	.0039	.0701	<i>a. m.</i>				12:00	6.54	.0014	.0198	12:00	1.09	.0002	.0056	
10:00	19.1	.0041	.0714	2:30	5.64	.0012	.0030	July 12				July 19				
:20	19.6	.0042	.0728	11:00	5.64	.0012	.0144	<i>a. m.</i>				<i>a. m.</i>				
:40	19.6	.0042	.0742	<i>p. m.</i>				1:00	5.64	.0012	.0013	3:00	1.04	.0002	.0006	
11:00	20.9	.0045	.0757	1:30	5.30	.0011	.0172	2:15	4.97	.0011	.0028	4:30	1.04	.0002	.0009	
:2																



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
July 20				July 23				July 25				July 28			
a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches
6:30	0.90	0.0002	0.0013	4:00	41.8	0.0090	0.0323	11:30	3.90	0.0308	0.0130	4:00	2.59	0.0006	0.0123
12:00	.99	.0002	.0024	:20	32.8	.0071	.0350					6:00	2.40	.0005	.0135
				:40	26.2	.0057	.0371					8:00	2.20	.0005	.0145
p. m.				:57	22.2	.0048	.0387	7. m.				11:00	2.02	.0004	.0160
3:30	.99	.0002	.0031	5:00	21.6	.0047	.0389	1:30	3.64	.0008	.0146	12:00	2.02	.0004	.0164
8:00	.90	.0002	.0040	:10	19.6	.0042	.0396	3:00	3.38	.0007	.0158				
12:00	.81	.0002	.0048	:30	16.0	.0035	.0409	4:30	3.14	.0007	.0169				
July 21				:50	13.0	.0028	.0425	6:00	2.91	.0006	.0180				
a. m.				:15	11.9	.0026	.0432	7:00	2.80	.0006	.0186	July 29			
3:00	.77	.0002	.0006	:35	11.6	.0025	.0441	9:00	2.59	.0006	.0198	p. m.			
6:30	.77	.0002	.0013	7:05	12.3	.0027	.0454	11:00	2.40	.0005	.0208	2:00	2.02	.0004	.0056
11:30	.85	.0002	.0023	:26	11.6	.0025	.0463	12:00	2.40	.0005	.0213	8:00	1.69	.0004	.0080
				:45	10.9	.0024	.0471	July 26				12:00	1.54	.0003	.0096
				:55	11.6	.0025	.0475	a. m.							
p. m.				8:00	12.6	.0027	.0477	10:00	2.40	.0005	.0050	July 30			
3:00	.85	.0002	.0030	:05	14.1	.0030	.0479					a. m.			
8:30	.77	.0002	.0041	:20	17.0	.0037	.0487	12:30	2.30	.0005	.0063	5:00	1.54	.0003	.0015
12:00	.69	.0001	.0045	:22	19.1	.0041	.0488	p. m.				7:00	1.62	.0004	.0021
July 22				:24	25.5	.0055	.0490	2:30	2.20	.0005	.0073	12:00	1.69	.0004	.0041
p. m.				:25	34.5	.0075	.0491	3:30	2.11	.0005	.0078				
2:49	.69	.0001	.0015	:26	43.9	.0095	.0492	5:00	2.02	.0004	.0086	p. m.			
3:00	.85	.0001	.0016	:27	56.2	.0121	.0494	:17	2.02	.0004	.0087	2:30	1.62	.0004	.0051
:35	1.09	.0002	.0016	:28	68.3	.0148	.0496	:30	2.02	.0004	.0088	11:00	1.28	.0003	.0085
4:00	1.21	.0003	.0017	:30	91.5	.0198	.0502	6:00	2.02	.0004	.0090	12:00	1.28	.0003	.0088
5:06	1.21	.0003	.0020	:32	122	.0264	.0510	7:00	2.20	.0005	.0094				
:15	1.40	.0003		:34	155	.0335	.0520	:15	2.20	.0005	.0095	July 31			
:20	1.76	.0004		:36	186	.0402	.0532	:20	2.30	.0005	.0097	a. m.			
:25	2.40	.0005		:40	240	.0518	.0563	:45	2.40	.0005	.0099	1:00	1.21	.0003	.0003
:30	3.38	.0007		:45	298	.0611	.0611	8:00	3.14	.0007	.0099	5:00	1.21	.0003	.0015
:35	4.81	.0010	.0021	:50	318	.0687	.0666	:05	4.05	.0009	.0100	8:00	1.28	.0003	.0028
:45	6.73	.0015	.0023	9:00	333	.0719	.0733	:10	5.64	.0012	.0101	11:00	1.34	.0003	.0033
:55	7.11	.0015	.0026	:06	336	.0726	.0855	:15	7.71	.0017	.0102				
6:00	7.11	.0015	.0027	:15	326	.0704	.0962	:25	9.60	.0021	.0105				
:25	6.54	.0014	.0033	:25	275	.0591	.1158	:35	13.4	.0029	.0109	p. m.			
:30	6.73	.0015	.0034	:35	206	.0445	.1183	:45	16.5	.0036	.0115	3:00	1.34	.0003	.0045
:35	7.74	.0017	.0035	:45	161	.0318	.1224	9:00	16.5	.0036	.0124	12:00	1.09	.0002	.0063
:40	10.1	.0027	.0037	:50	143	.0309	.1251	:10	20.3	.0044	.0131				
:45	13.7	.0030	.0039	10:00	114	.0246	.1297	:20	27.0	.0058	.0240	Aug. 1			
:50	19.6	.0042	.0042	:10	91.5	.0198	.1334	:25	28.7	.0062	.0245	a. m.			
:55	24.2	.0052	.0046	:20	78.5	.0170	.1365	:30	22.2	.0048	.0177	1:30	1.04	.0002	.0003
7:00	27.0	.0058	.0051	:40	74.8	.0127	.1414	:35	18.6	.0040	.0195	9:00	1.04	.0002	.0018
:05	27.9	.0060	.0056	11:00	49.9	.0108	.1453	10:00	16.5	.0036	.0217				
:15	26.2	.0057	.0066	:20	40.7	.0088	.1486	:10	14.1	.0030	.0234	p. m.			
:30	22.9	.0049	.0079	:40	34.5	.0075	.1513	:20	11.9	.0026	.0248	12:30	1.09	.0002	.0025
8:00	17.0	.0037	.0101	12:00	30.4	.0066	.1537	12:00				3:00	1.04	.0002	.0030
:25	13.4	.0029	.0115	July 24				July 27				12:00	.85	.0002	.0048
:33	12.6	.0027	.0119	a. m.				a. m.							
:39	11.6	.0025	.0131	12:30	24.2	.0054	.0039	12:30	10.1	.0022	.0012	Aug. 2			
:40	9.60	.0021	.0146	1:00	20.9	.0045	.0055	1:00	8.88	.0019	.0023	p. m.			
10:30	8.40	.0018	.0162	:30	17.6	.0038	.0076	:30	7.96	.0017	.0032	4:00	.85	.0002	.0032
11:00	7.52	.0016	.0171	2:00	15.0	.0032	.0094	4:00	7.11	.0015	.0040	10:00	.81	.0002	.0044
:30	6.73	.0015	.0179	:30	13.4	.0029	.0100	5:00	6.17	.0013	.0054	12:00	.73	.0002	.0048
12:00	5.99	.0013	.0186	3:05	11.9	.0026	.0126	6:00	5.46	.0012	.0067				
July 23				:45	10.6	.0023	.0142	7:30	4.97	.0011	.0081	Aug. 3			
a. m.				4:40	9.36	.0020	.0162	9:00	4.65	.0010	.0090	a. m.			
12:45	5.14	.0011	.0005	5:40	8.40	.0018	.0181	10:00	4.35	.0009	.0105	5:00	.69	.0001	.0010
1:30	4.50	.0010	.0013	6:00	8.18	.0018	.0187	11:00	4.05	.0009	.0119	10:00	.69	.0001	.0015
2:30	3.90	.0008	.0022	7:00	7.52	.0016	.0204	12:00	3.77	.0008	.0137				
3:30	3.38	.0007	.0030	8:00	6.92	.0015	.0221					p. m.			
5:00	3.03	.0006	.0041	9:30	6.35	.0014	.0244	p. m.				1:30	.73	.0001	.0018
6:30	2.69	.0006	.0050	10:40	5.99	.0013	.0260	1:00	3.51	.0008	.0153	4:00	.73	.0001	.0022
8:00	2.49	.0005	.0059	12:00	5.64	.0012	.0277	4:20	3.03	.0006	.0177	6:30	.69	.0001	.0025
9:30	2.30	.0005	.0067					5:40	2.80	.0006	.0185	12:00	.62	.0001	.0031
11:30	2.11	.0005	.0077					6:00	2.80	.0006	.0187				
p. m.								:15	2.80	.0006	.0189	Aug. 4			
12:13	2.02	.0004	.0081					7:30	2.69	.0006	.0197	a. m.			
:17	2.02	.0004						8:30	2.69	.0006	.0203	2:00	.62	.0001	.0002
:30	2.76	.0006	.0082					9:10	2.80	.0006	.0207	9:00	.59	.0001	.0009
:40	3.38	.0007	.0083					:40	3.03	.0006	.0210	12:00	.59	.0001	.0012
:50	4.50	.0010	.0084					10:00	3.38	.0007	.0212				
1:00	4.65	.0010	.0086					:20	4.35	.0009	.0215	p. m.			
:30	5.46	.0012	.0092					:45	5.82	.0013	.0220	8:00	.62	.0001	.0018
:35	6.17	.0013	.0093					11:00	6.35	.0014	.0224	12:00	.59	.0001	.0022
:40	7.96	.0017	.0094					:40	5.99	.0013	.0233				
:45	11.2	.0024	.0093					12:00	5.99	.0013	.0237	Aug. 5			
:50	14.5	.0031	.0093					July 28				a. m.			
:55	21.6	.0047	.0101					12:15	5.99	.0013	.0002	8:00	.59	.0001	.0006
2:00	24.9	.0054	.0105					1:00	5.46	.0012	.0012				
:04	25.5	.0055	.0109					2:00	4.65	.0010	.0023	p. m.			
:15	26.2	.0057	.0119					3:00	4.05	.0009	.0033	4:00	.56	.0001	.0012
:20	29.5	.0064	.0124					:40	3.77	.0008	.0039	12:00	.53	.0001	.0018
:25	36.6	.0079	.0130					4:40	3.51	.0008	.0047				
:30	48.7	.0105	.0133					5:30	3.38	.0007	.0054	Aug. 6			
:40	62.1	.0134	.0158					7:00	3.25	.0007	.0065	a. m.			
:46	63.7	.0138	.0172					8:40	3.14	.0007	.0077	5:00	.50	.0001	.0010
3:00	62.1	.0134	.0204					11:00	3.03	.0006	.0093	9:40	.50	.0001	.0015
:15	62.1	.0134	.0238									10:00	.50	.0001	
:40	52.5	.0113	.0289					p. m.				11:00	.56	.0001	.0016
				July 25				12:30	2.91	.0006	.0102				
				a. m.				2:00	2.80	.0006	.0111				
				1:00	7.52	.0016	.0017								
				:40	6.92	.0015	.0023								
				2:30	6.17	.0013	.0040								
				3:20	5.64	.0012	.0051								
				4:40	5.14	.0011	.0067								
				6:00	4.81	.0010	.0082								



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Aug. 6				Aug. 14				Aug. 18				Aug. 23			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
1:00	0.56	0.0001	0.0018	2:30	0.19	T		6:36	4.50	0.0010	0.0001	12:00	0.29	0.0001	0.0025
2:00	.59	.0001	.0019	3:00	.20	T		.40	5.82	.0013	.0002				
3:00	.62	.0001	.0020	4:00	.22	T		.44	6.54	.0014	.0003	Aug. 24			
4:00	.65	.0001	.0021	5:00	.24	0.0001	0.0001	.56	6.35	.0014	.0006	<i>a. m.</i>			
.45	.69	.0001	.0022	6:00	.24	.0001	.0002	7:00	6.73	.0015	.0007	3:00	.27	.0001	.0003
5:00	.85	.0001		7:00	.25	.0001	.0003	.10	7.52	.0016	.0010	11:00	.25	.0001	.0011
.30	1.09	.0002	.0023	8:00	.25	.0001	.0004	.15	7.52	.0016	.0011	<i>p. m.</i>			
6:00	1.28	.0003	.0025	9:00	.27	.0001	.0005	.35	6.54	.0014	.0016	2:30	.24	.0001	.0015
.25	1.28	.0003	.0026	10:00	.31	.0001	.0006	.45	8.64	.0019	.0019	7:00	.20	T	
7:00	1.09	.0002	.0018	11:00	.33	.0001	.0007	.50	10.9	.0024	.0021	12:00	.20	T	.0015
.40	.99	.0002	.0029	12:00	.35	.0001	.0008	8:00	15.5	.0034	.0026				
8:30	.99	.0002	.0031					.05	17.0	.0037	.0029				
9:00	1.04	.0002	.0032	<i>p. m.</i>				.15	17.6	.0038	.0035	Aug. 25			
10:30	1.04	.0002	.0035	1:00	.37	.0001	.0009	.35	13.7	.0030	.0046	<i>a. m.</i>			
11:00	.99	.0002	.0036	.40	.42	.0001	.0010	9:00	19.6	.0042	.0061	2:00	.20	T	
12:00	.95	.0002	.0038	2:00	.53	.0001		.05	22.2	.0048	.0065	8:00	.19	T	
Aug. 7				.20	.69	.0001		.15	23.6	.0051	.0073				
<i>a. m.</i>				.30	.90	.0002		.40	20.3	.0044	.0093				
1:30	.90	.0002	.0003	.50	1.15	.0002	.0011	10:00	16.0	.0035	.0106	<i>p. m.</i>			
3:00	.85	.0002	.0006	3:00	1.21	.0003	.0012	.30	12.3	.0027	.0122	5:00	.20	T	
5:00	.81	.0002	.0010	.30	1.28	.0003	.0014	11:00	11.6	.0025	.0135	7:00	.20	T	
7:00	.77	.0002	.0014	4:00	1.21	.0003	.0016	.20	10.9	.0024	.0143	10:00	.24	.0001	.0005
9:00	.73	.0002	.0018	.10	1.62	.0004	.0017	12:00	8.40	.0018	.0157	11:00	.29	.0001	.0004
11:00	.69	.0001	.0022	.15	2.11	.0005						12:00	.35	.0001	.0005
<i>p. m.</i>				.20	2.80	.0006		Aug. 19				Aug. 26			
2:30	.69	.0001	.0026	.35	3.77	.0008	.0019	<i>a. m.</i>				<i>a. m.</i>			
6:00	.62	.0001	.0030	5:00	3.03	.0006	.0022	12:30	7.11	.0015	.0009	12:10	.37	.0001	
9:00	.59	.0001	.0033	.30	2.20	.0005	.0025	1:00	5.99	.0013	.0016	.20	.47	.0001	
12:00	.59	.0001	.0036	6:00	1.94	.0004	.0028	.30	5.30	.0011	.0022	.30	.59	.0001	
Aug. 8				.30	2.40	.0005	.0031	2:00	4.65	.0010	.0028	.40	.85	.0002	
<i>a. m.</i>				.50	2.49	.0005	.0033	3:00	3.77	.0008	.0037	.35	.20	.0002	
1:30	.59	.0001	.0002	7:00	2.49	.0005	.0034	4:00	3.14	.0007	.0045	.40	1.40	.0003	
7:00	.50	.0001	.0008	8:00	2.02	.0004	.0039	5:00	2.69	.0006	.0052	.45	2.02	.0004	
10:00	.50	.0001	.0011	9:20	2.02	.0004	.0044	6:00	2.30	.0005	.0058	.55	2.49	.0005	.0001
<i>p. m.</i>				10:00	1.85	.0004	.0047	7:00	2.11	.0005	.0053	1:00	2.40	.0005	
7:00	.42	.0001	.0020	11:00	1.54	.0003	.0051	8:00	1.85	.0004	.0068	.25	1.55	.0004	.0005
12:00	.42	.0001	.0025	12:00	1.34	.0003	.0054	9:30	1.62	.0004	.0074	.50	2.02	.0004	.0005
Aug. 9				Aug. 15				11:30	1.40	.0003	.0082	2:00	1.94	.0004	.0006
<i>a. m.</i>				<i>a. m.</i>				<i>p. m.</i>				.20	1.85	.0004	.0007
1:30	.59	.0001	.0002	1:00	1.15	.0002	.0003	1:00	1.28	.0003	.0087	.50	2.49	.0005	.0010
7:00	.50	.0001	.0008	2:30	.99	.0002	.0006	2:30	1.15	.0002	.0092	.30	2.59	.0006	.0011
10:00	.50	.0001	.0011	4:00	.85	.0001	.0009	4:00	1.04	.0002	.0095	.40	2.40	.0005	.0014
<i>p. m.</i>				5:30	.77	.0002	.0012	6:00	.95	.0006	.0103	5:00	2.02	.0004	.0017
7:00	.42	.0001	.0020	7:30	.69	.0001	.0014	8:00	.85	.0044	.0113	6:00	1.76	.0004	.0021
12:00	.42	.0001	.0025	9:30	.62	.0001	.0016	9:30	.81	.0003	.0119	7:00	1.54	.0003	.0023
Aug. 10				11:30	.56	.0001	.0018	11:00	.77	.0002	.0124	8:00	1.40	.0003	.0025
<i>a. m.</i>				<i>p. m.</i>				12:00	.73	.0002	.0126	9:00	1.28	.0003	.0031
5:00	.37	.0001	.0005	2:00	.50	.0001	.0021	Aug. 20				10:00	1.21	.0003	.0033
8:00	.37	.0001	.0008	3:30	.47	.0001	.0023	<i>a. m.</i>				11:00	1.28	.0003	.0034
12:00	.35	.0001	.0012	5:00	.45	.0001	.0025	1:00	.69	.0001	.0002	<i>p. m.</i>			
Aug. 11				7:00	.42	.0001	.0027	3:30	.65	.0001	.0005	12:30	1.09	.0002	.0040
<i>a. m.</i>				8:30	.40	.0001	.0029	5:30	.62	.0002	.0009	2:00	1.04	.0002	.0049
7:00	.31	.0001	.0019	11:00	.37	.0001	.0032	7:30	.59	.0001	.0011	4:30	.95	.0002	.0055
12:00	.31	.0001	.0024	12:00	.35	.0001	.0033	10:00	.56	.0001	.0014	7:00	.85	.0002	.0059
Aug. 12				Aug. 16				<i>p. m.</i>				9:00	.81	.0002	.0063
<i>a. m.</i>				<i>a. m.</i>				12:30	.53	.0001	.0017	10:30	.77	.0002	.0066
5:00	.37	.0001	.0005	4:00	.33	.0001	.0004	3:00	.50	.0001	.0020	12:00	.73	.0002	.0068
8:00	.37	.0001	.0008	8:00	.31	.0001	.0008	5:00	.47	.0001	.0022				
12:00	.35	.0001	.0012	<i>p. m.</i>				8:00	.45	.0001	.0025	Aug. 27			
Aug. 13				2:00	.27	.0001	.0014	12:00	.42	.0001	.0029	<i>a. m.</i>			
<i>p. m.</i>				12:00	.25	.0001	.0024	Aug. 21				12:35	.73	.0002	.0001
4:00	.20	T		Aug. 17				<i>a. m.</i>				.40	.81	.0002	.0002
6:00	.22	T		<i>a. m.</i>				2:00	.40	.0001	.0002	1:00	.85	.0002	.0003
8:00	.22	T		12:00	.25	.0001	.0012	5:00	.37	T	.0002	.10	1.04	.0002	.0004
10:00	.20	T		<i>p. m.</i>				9:00	.35	T	.0002	.20	1.47	.0003	.0005
12:00	.20	T		4:00	.24	.0001	.0016	11:00	.35	T	.0002	.30	2.20	.0005	.0006
Aug. 14				10:00	.24	.0001	.0022	<i>p. m.</i>				.35	2.80	.0006	.0007
<i>p. m.</i>				12:00	.22	T	.0022	4:00	.31	.0001	.0007	.40	3.38	.0007	.0008
4:00	.20	T		Aug. 18				12:00	.31	.0001	.0015	.50	4.97	.0011	.0009
6:00	.22	T		<i>a. m.</i>				Aug. 22				.20	6.17	.0013	.0006
8:00	.22	T		6:00	.22	T		12:00	.27	.0001	.0012	.40	8.64	.0019	.0011
10:00	.20	T		<i>p. m.</i>				<i>a. m.</i>				.50	12.3	.0027	.0021
12:00	.20	T		5:50	.19	T		Aug. 23				.50	16.5	.0036	.0025
Aug. 15				6:00	.25	.0001	.0001	3:00	.25	.0001	.0015	3:00	20.9	.0045	.0031
<i>p. m.</i>				.10	.33	.0001		12:00	.25	.0001	.0024	.10	22.9	.0049	.0034
4:00	.20	T		.20	.50	.0001		<i>p. m.</i>				.30	22.9	.0049	.0035
6:00	.22	T		.22	.65	.0001		3:00	.25	.0001	.0015	.40	27.0	.0058	.0038
8:00	.22	T		.24	.90	.0002		12:00	.27	.0001	.0012	.50	27.0	.0058	.0039
10:00	.20	T		.26	1.21	.0003		<i>a. m.</i>				.30	24.2	.0052	.0041
12:00	.20	T		.28	1.69	.0004		3:30	.25	.0001	.0004	.40	18.6	.0040	.0033
Aug. 16				.30	2.30	.0005		12:00	.25	.0001	.0024	.50	13.7	.0030	.0025
<i>p. m.</i>				.32	3.03	.0006		Aug. 24				.30	10.6	.0023	.0016
4:00	.20	T						<i>a. m.</i>				.40	8.88	.0019	.0018
6:00	.22	T						3:30	.25	.0001	.0004	.50	7.74	.0017	.0018
8:00	.22	T						7:00	.27	.0001	.0008	8:00	6.17	.0013	.0020
10:00	.20	T						10:00	.29	.0001	.0011	.30	5.64	.0012	.0021
12:00	.20	T										.50	5.46	.0012	.0021
Aug. 17												9:00	5.30	.0012	.0021
<i>p. m.</i>															
4:00	.20	T													
6:00	.22	T													
8:00	.22	T													
10:00	.20	T													
12:00	.20	T													



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time				Instantaneous rate of run-off				Accumulated run-off by days				Date and time				Instantaneous rate of run-off				Accumulated run-off by days				Date and time				Instantaneous rate of run-off				Accumulated run-off by days																															
Aug. 27				Aug. 29				Aug. 31				Sept. 8				Sept. 9				Sept. 10				Sept. 11				Sept. 12				Sept. 13				Sept. 14				Sept. 15																							
<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>																							
<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>				<i>Second-foot per hour</i>																							
<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>				<i>Inches</i>																			
9:20	5.64	0.0012	0.0221	2:30	4.97	0.0011	0.0028	3:20	32.8	0.0071	0.0262	2:00	1.85	0.0004	0.0008	12:00	356	.0769	.1428	7:00	41.8	.0090	.0330	1:30	11.6	.0025	.0039	2:00	2.59	.0006	.0012	12:00	356	.0769	.1428	7:00	41.8	.0090	.0330	1:30	11.6	.0025	.0039	2:00	2.59	.0006	.0012																
10:00	11.2	.0024	.0233	3:00	4.65	.0010	.0056	5:00	30.4	.0066	.0377	3:00	4.50	.0010	.0090	1:00	294	.0635	.1545	8:00	62.1	.0134	.0447	3:00	33.7	.0073	.0287	3:00	3.25	.0007	.0043	11:00	393	.0849	.1712	9:00	57.5	.0124	.0580	4:00	10.9	.0024	.0117	4:00	2.49	.0005	.0030	10:00	393	.0849	.1712	9:00	57.5	.0124	.0580	4:00	10.9	.0024	.0117	4:00	2.49	.0005	.0030
11:00	14.1	.0030	.0235	4:00	4.50	.0010	.0071	6:00	27.9	.0060	.0472	4:00	4.20	.0009	.0100	10:00	359	.0775	.1574	10:00	60.6	.0131	.0537	4:00	10.9	.0024	.0117	4:00	2.49	.0005	.0030	11:00	393	.0849	.1712	9:00	57.5	.0124	.0580	4:00	10.9	.0024	.0117	4:00	2.49	.0005	.0030																
12:00	19.6	.0042	.0237	5:00	4.20	.0009	.0105	7:00	22.2	.0052	.0500	5:00	3.80	.0007	.0121	11:00	326	.0704	.1489	11:00	59.0	.0127	.0589	5:00	9.60	.0021	.0273	5:00	2.80	.0006	.0155	12:00	326	.0704	.1489	11:00	59.0	.0127	.0589	5:00	9.60	.0021	.0273	5:00	2.80	.0006	.0155																
1:00	26.2	.0057	.0239	6:00	4.05	.0009	.0120	8:00	20.9	.0045	.0787	6:00	3.60	.0006	.0132	12:00	294	.0635	.1545	12:00	51.2	.0110	.0460	6:00	8.64	.0019	.0345	6:00	2.69	.0006	.0158	1:00	294	.0635	.1545	12:00	51.2	.0110	.0460	6:00	8.64	.0019	.0345																				
2:00	34.5	.0075	.0241	7:00	3.77	.0008	.0141	9:00	19.6	.0042	.0824	7:00	3.40	.0006	.0139	1:00	294	.0635	.1545	1:00	48.7	.0105	.0348	7:00	7.74	.0017	.0410	7:00	2.40	.0005	.0048	2:00	307	.0667	.1617	1:00	48.7	.0105	.0348	7:00	7.74	.0017	.0410																				
3:00	43.9	.0095	.0244	8:00	3.51	.0008	.0144	10:00	19.6	.0042	.0824	8:00	3.20	.0005	.0132	2:00	307	.0667	.1617	2:00	36.6	.0079	.0359	8:00	6.35	.0014	.0357	8:00	2.30	.0005	.0171	3:00	326	.0704	.1489	2:00	36.6	.0079	.0359	8:00	6.35	.0014	.0357																				
4:00	53.7	.0116	.0247	9:00	3.25	.0007	.0148	11:00	18.1	.0039	.0872	9:00	3.00	.0004	.0130	3:00	326	.0704	.1489	3:00	43.9	.0095	.0244	9:00	5.64	.0012	.0265	9:00	2.20	.0005	.0181	4:00	345	.0087	.0224	3:00	43.9	.0095	.0244	9:00	5.64	.0012	.0265																				
5:00	68.3	.0148	.0256	10:00	2.90	.0006	.0152	12:00	17.1	.0034	.0921	10:00	2.80	.0004	.0128	4:00	345	.0087	.0224	4:00	53.7	.0116	.0247	10:00	4.97	.0011	.0268	10:00	2.00	.0004	.0080	5:00	364	.0081	.0216	4:00	53.7	.0116	.0247	10:00	4.97	.0011	.0268																				
6:00	85.9	.0186	.0267	11:00	2.62	.0005	.0163	1:00	16.5	.0036	.0961	11:00	2.60	.0004	.0127	5:00	364	.0081	.0216	5:00	68.3	.0148	.0256	11:00	4.20	.0010	.0270	11:00	1.80	.0003	.0072	6:00	385	.0083	.0219	5:00	68.3	.0148	.0256	11:00	4.20	.0010	.0270																				
7:00	117	.0253	.0282	12:00	2.30	.0004	.0169	2:00	15.0	.0032	.1009	12:00	2.20	.0003	.0126	6:00	385	.0083	.0219	6:00	85.9	.0186	.0267	12:00	3.20	.0008	.0272	12:00	1.60	.0002	.0060	7:00	400	.0095	.0244	6:00	85.9	.0186	.0267	12:00	3.20	.0008	.0272																				
8:00	152	.0328	.0301	1:00	14.1	.0030	.0235	3:00	14.1	.0030	.1061	1:00	14.1	.0030	.0235	7:00	400	.0095	.0244	7:00	117	.0253	.0282	1:00	14.1	.0030	.0235	1:00	1.40	.0003	.0051	8:00	414	.0089	.0241	7:00	117	.0253	.0282	1:00	14.1	.0030	.0235																				
9:00	192	.0415	.0326	2:00	12.6	.0027	.0221	4:00	13.4	.0029	.1132	2:00	12.6	.0027	.0221	8:00	414	.0089	.0241	8:00	152	.0328	.0301	2:00	12.6	.0027	.0221	2:00	1.20	.0002	.0051	9:00	422	.0092	.0247	8:00	152	.0328	.0301	2:00	12.6	.0027	.0221																				
10:00	229	.0495	.0356	3:00	11.9	.0026	.0226	5:00	13.0	.0028	.1193	3:00	11.9	.0026	.0226	9:00	422	.0092	.0247	9:00	192	.0415	.0326	3:00	11.9	.0026	.0226	3:00	1.10	.0002	.0051	10:00	430	.0095	.0244	9:00	192	.0415	.0326	3:00	11.9	.0026	.0226																				
11:00	275	.0594	.0401	4:00	10.9	.0024	.0224	6:00	12.6	.0027	.1243	4:00	10.9	.0024	.0224	10:00	430	.0095	.0244	10:00	229	.0495	.0356	4:00	10.9	.0024	.0224	4:00	1.00	.0002	.0051	11:00	439	.0095	.0244	10:00	229	.0495	.0356	4:00	10.9	.0024	.0224																				
12:00	310	.0670	.0453	5:00	10.6	.0023	.0223	7:00	12.3	.0027	.1284	5:00	10.6	.0023	.0223	11:00	439	.0095	.0244	11:00	275	.0594	.0401	5:00	10.6	.0023	.0223	5:00	1.00	.0002	.0051	12:00	448	.0095	.0244	11:00	275	.0594	.0401	5:00	10.6	.0023	.0223																				
1:00	359	.0775	.0574	6:00	9.86	.0021	.0221	8:00	11.9	.0026	.1325	6:00	9.86	.0021	.0221	12:00	448	.0095	.0244	12:00	310	.0670	.0453	6:00	9.86	.0021	.0221	6:00	1.00	.0002	.0051	1:00	359	.0775	.0574	6:00	9.86	.0021	.0221																								
2:00	393	.0849	.0710	7:00	9.86	.0021	.0221	9:00	11.9	.0026	.1366	7:00	9.86	.0021	.0221	1:00	359	.0775	.0574	1:00	393	.0849	.0710	7:00	9.86	.0021	.0221	7:00	1.00	.0002	.0051	2:00	393	.0849	.0710	7:00	9.86	.0021	.0221																								
3:00	414	.0894	.0854	8:00	9.86	.0021	.0221	10:00	11.9	.0026	.1407	8:00	9.86	.0021	.0221	2:00	393	.0849	.0710	2:00	414	.0894	.0854	8:00	9.86	.0021	.0221	8:00	1.00	.0002	.0051	3:00	414	.0894	.0854	8:00	9.86	.0021	.0221																								
4:00	430	.0952	.0912	9:00	9.86	.0021	.0221	11:00	11.9	.0026	.1448	9:00	9.86	.0021	.0221	3:00	414	.0894	.0854	3:00	430	.0952	.0912	9:00	9.86	.0021	.0221	9:00	1.00	.0002	.0051	4:00	430	.0952	.0912	9:00	9.86	.0021	.0221																								
5:00	448	.0995	.0955	10:00	9.86	.0021	.0221	12:00	11.9	.0026	.1489	10:00	9.86	.0021	.0221	4:00	430	.0952	.0912	4:00	448	.0995	.0955	10:00	9.86	.0021	.0221	10:00	1.00	.0002	.0051	5:00	448	.0995	.0955	10:00	9.86	.0021	.0221																								
6:00	466	.0995	.0955	11:00	9.86	.0021	.0221	1:00	11.9	.0026	.1530	11:00	9.86	.0021	.0221	5:00	466	.0995	.0955	5:00	466	.0995	.0955	11:00	9.86	.0021	.0221	11:00	1.00	.0002	.0051	6:00	466	.0995	.0955	11:00	9.86	.0021	.0221																								
7:00	484	.0995	.0955	12:00	9.86	.0021	.0221	2:00	11.9	.0026	.1571	12:00	9.86	.0021	.0221	6:00	484	.0995	.0955	6:00	484	.0995	.0955	12:00	9.86	.0021	.0221	12:00	1.00	.0002	.0051	7:00	484	.0995	.0955	12:00	9.86	.0021	.0221																								
8:00	502	.0995	.0955	1:00	9.86	.0021	.0221	3:00	11.9	.0026	.1612	1:00	9.86	.0021	.0221	7:00	502	.0995	.0955	7:00	502	.0995	.0955	1:00	9.86	.0021	.0221	1:00	1.00	.0002	.0051	8:00	502	.0995	.0955	1:00	9.86	.0021	.0221																								
9:00	520	.0995	.0955	2:00	9.86	.0021	.0221	4:00	11.9	.0026	.1653	2:00	9.86	.0021	.0221	8:00	520	.0995	.0955	8:00	520	.0995	.0955	2:00	9.86	.0021	.0221	2:00	1.00	.0002	.0051	9:00	520	.0995	.0955	2:00	9.86	.0021	.0221																								
10:00	538	.0995	.0955	3:00	9.86	.0021	.0221	5:00	11.9	.0026	.1694	3:00	9.86	.0021	.0221	9:00	538	.0995	.0955	9:00	538	.0995	.0955	3:00	9.86	.0021	.0221	3:00	1.00	.0002	.0051	10:00	538	.0995	.0955	3:00	9.86	.0021	.0221																								
11:00	556	.0995	.0955	4:00	9.86	.0021	.0221	6:00	11.9	.0026	.1735	4:00	9.86	.0021	.0221	10:00	556	.0995	.0955	10:00	556	.0995	.0955	4:00	9.86	.0021	.0221	4:00	1.00	.0002	.0051	11:00	556	.0995	.0955	4:00	9.86	.0021	.0221																								
12:00	574	.0995	.0955	5:00	9.86	.0021	.0221	7:00	11.9	.0026	.1776	5:00	9.86	.0021	.0221	11:00	574	.0995	.0955	11:00	574	.0995	.0955	5:00	9.86	.0021	.0221	5:00	1.00	.0002	.0051	12:00	574	.0995	.0955	5:00	9.86	.0021	.0221																								
1:00	592	.0995	.0955	6:00	9.86	.0021	.0221	8:00	11.9	.0026	.1817	6:00	9.86	.0021	.0221	12:00	592	.0995	.0955	12:00	592	.0995	.0955	6:00	9.86	.0021	.0221	6:00	1.00	.0002	.0051	1:00	592	.0995	.0955	6:00	9.86	.0021	.0221																								
2:00	610	.0995	.0955	7:00	9.86	.0021	.0221	9:00	11.9	.0026	.1858	7:00	9.86	.0021	.0221	1:00	592	.0995	.0955	1:00	610	.09																																									



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Sept. 16				Sept. 25				Oct. 3				Oct. 13			
p. m.				a. m.				a. m.				p. m.			
8:00-----	1.15	0.0002	0.0040	1:30-----	20.3	0.0044	0.0051	12:00-----	0.81	0.0002	0.0024	12:00-----	0.53	0.0001	0.0024
12:00-----	1.09	.0002	.0048	2:00-----	20.9	.0045	.0074								
Sept. 17				:50-----	19.6	.0042	.0111					Oct. 14			
a. m.				3:00-----	19.6	.0042	.0118	12:00-----	.77	.0002	.0048	a. m.			
4:00-----	1.04	.0002	.0008	4:00-----	23.6	.0051	.0164					7:00-----	.50	.0001	.0007
				:40-----	25.5	.0055	.0199	Oct. 4				12:00-----	.50	.0001	.0012
p. m.				5:00-----	24.2	.0052	.0217								
7:00-----	1.04	.0002	.0035	:30-----	21.6	.0047	.0242	12:00-----	.77	.0002	.0048	p. m.			
12:00-----	.99	.0002	.0048	6:00-----	18.1	.0039	.0264					3:00-----	.47	.0001	.0015
Sept. 18				:30-----	15.0	.0032	.0282	Oct. 5				7:00-----	.47	.0001	.0019
a. m.				7:00-----	13.0	.0028	.0297					9:00-----	.45	.0001	.0021
3:00-----	.95	.0002	.0006	:30-----	11.2	.0024	.0310	a. m.				10:00-----	.42	.0001	.0022
				8:00-----	9.86	.0021	.0322	3:00-----	.77	.0002	.0006	12:00-----	.42	.0001	.0024
p. m.				:30-----	9.12	.0020	.0333	8:00-----	.73	.0002	.0016				
6:00-----	.95	.0002	.0036	9:00-----	8.40	.0018	.0343					Oct. 15			
10:00-----	.90	.0002	.0044	:30-----	7.74	.0017	.0352	1:00-----	.73	.0002	.0026	a. m.			
12:00-----	.85	.0002	.0048	10:00-----	6.92	.0015	.0360	7:00-----	.69	.0001	.0038	4:00-----	.42	.0001	.0004
Sept. 19				11:00-----	5.99	.0013	.0374	12:00-----	.69	.0001	.0043	7:00-----	.50	.0001	.0007
p. m.				12:00-----	5.30	.0011	.0386					8:00-----	.59	.0001	.0008
8:00-----	.85	.0002	.0040					Oct. 6							
12:00-----	.81	.0002	.0048	p. m.				1:00-----	.69	.0001	.0013	p. m.			
Sept. 20				1:00-----	4.81	.0010	.0397	12:00-----	.59	.0001	.0024	1:00-----	.59	.0001	.0013
a. m.				2:00-----	4.35	.0009	.0407					2:30-----	.65	.0001	.0015
5:00-----	.81	.0002	.0034	3:00-----	3.90	.0008	.0416	Oct. 7				4:30-----	.65	.0001	.0017
9:00-----	.77	.0002	.0042	4:20-----	3.51	.0008	.0427	a. m.				10:00-----	.85	.0002	.0028
12:00-----	.77	.0002	.0048	5:40-----	3.14	.0007	.0438	10:00-----	.59	.0001	.0010	12:00-----	.85	.0002	.0032
Sept. 21				7:00-----	2.91	.0006	.0447	11:00-----	.65	.0001	.0011				
a. m.				8:30-----	2.69	.0006	.0456	12:00-----	.69	.0001	.0012	Oct. 16			
8:00-----	.73	.0002	.0016	10:30-----	2.49	.0005	.0468					a. m.			
				12:00-----	2.40	.0005	.0476	1:00-----	.59	.0001	.0010	3:00-----	.85	.0002	.0008
p. m.								11:00-----	.65	.0001	.0011	9:00-----	.73	.0002	.001
1:00-----	.73	.0002	.0026	Sept. 26				12:00-----	.69	.0001	.0012				
12:00-----	.62	.0001	.0048	a. m.								p. m.			
Sept. 22				2:00-----	2.20	.0005	.0010	1:00-----	.73	.0002	.0014	3:00-----	.62	.0001	.0030
p. m.				4:30-----	2.11	.0005	.0023	2:00-----	.73	.0002	.0016	8:00-----	.59	.0001	.0035
12:00-----	.59	.0001	.0024	8:00-----	1.94	.0004	.0041	4:00-----	.81	.0002	.0020	12:00-----	.59	.0001	.0039
Sept. 23				10:00-----	1.85	.0004	.0049	6:00-----	.85	.0002	.0024				
p. m.				12:00-----	1.76	.0004	.0057	7:30-----	1.04	.0002	.0027	Oct. 17			
6:00-----	.59	.0001	.0018					8:30-----	1.15	.0002	.0029	a. m.			
12:00-----	.62	.0001	.0024	p. m.				10:00-----	1.28	.0003	.0034	12:00-----	.56	.0001	.0009
Sept. 24				2:30-----	1.69	.0004	.0067	12:00-----	1.28	.0003	.0040				
a. m.				4:30-----	1.62	.0004	.0075	Oct. 8				p. m.			
7:40-----	.62	.0001	.0008	8:00-----	1.54	.0003	.0089	a. m.				4:00-----	.53	.0001	.0016
8:00-----	.65	.0001	.0001	12:00-----	1.47	.0003	.0101	5:00-----	1.15	.0002	.0008	6:00-----	.59	.0001	.0018
9:00-----	.65	.0001	.0009	Sept. 27				6:30-----	.99	.0002	.0016	12:00-----	.59	.0001	.0024
10:00-----	.69	.0001	.0010	a. m.				9:30-----	.90	.0002	.0022				
11:00-----	.69	.0001	.0011	8:00-----	1.34	.0003	.0024	11:00-----	.85	.0002	.0025	Oct. 18			
12:00-----	.73	.0002	.0013	12:00-----	1.15	.0002	.0072					a. m.			
p. m.								1:00-----	.81	.0002	.0029	2:00-----	.62	.0001	.0002
1:00-----	.73	.0002	.0015	Sept. 28				3:30-----	.77	.0002	.0034				
2:00-----	.77	.0002	.0017	a. m.				5:30-----	.73	.0002	.0038	Oct. 19			
3:00-----	.77	.0002	.0019	12:00-----	1.15	.0002	.0024	10:00-----	.69	.0001	.0047	a. m.			
4:00-----	.81	.0002	.0021					12:00-----	.65	.0001	.0049	3:00-----	.59	.0001	.0003
5:00-----	.81	.0002	.0023	p. m.								7:00-----	.59	.0001	.0007
6:00-----	.85	.0002	.0025	12:00-----	1.04	.0002	.0048	Oct. 9				10:30-----	.56	.0001	.0011
7:00-----	.85	.0002	.0027					a. m.				11:00-----	.56	.0001	.0012
8:00-----	.90	.0002	.0029	Sept. 29				4:00-----	.65	.0001	.0004	12:00-----	.59	.0001	.0013
9:00-----	.99	.0002	.0031	a. m.				9:00-----	.62	.0001	.0009				
10:00-----	1.09	.0002	.0033	5:00-----	.99	.0002	.0010					p. m.			
:20-----	1.21	.0003	.0034	6:00-----	.99	.0002	.0036	1:00-----	.62	.0001	.0013	1:00-----	.62	.0001	.0014
:40-----	1.47	.0003	.0034	12:00-----	.95	.0002	.0048	12:00-----	.59	.0001	.0024	2:00-----	.65	.0001	.0015
:50-----	1.76	.0004	.0034									3:00-----	.69	.0001	.0016
:55-----	2.20	.0005	.0034	Sept. 30				Oct. 10				4:00-----	.73	.0002	.0018
11:00-----	2.80	.0006	.0035	a. m.				p. m.				5:00-----	.77	.0002	.0020
:10-----	3.64	.0008	.0035	6:00-----	.95	.0002	.0012	1:00-----	.59	.0001	.0013	6:00-----	.81	.0002	.0022
:20-----	4.97	.0011	.0037	12:00-----	.90	.0002	.0024	6:00-----	.56	.0001	.0018	7:30-----	.90	.0002	.0025
:30-----	6.92	.0015	.0039					12:00-----	.56	.0001	.0024	9:00-----	.99	.0002	.0028
:40-----	10.1	.0022	.0042	p. m.				Oct. 11				10:40-----	1.15	.0002	.0031
:50-----	12.3	.0027	.0046	12:00-----	.85	.0002	.0048	p. m.				11:40-----	1.34	.0003	.0034
12:00-----	13.0	.0028	.0051	Oct. 1				12:00-----	.56	.0001	.0024	12:00-----	1.47	.0003	.0035
Sept. 25				Oct. 2								Oct. 20			
a. m.				a. m.				Oct. 12				a. m.			
12:40-----	15.0	.0032	.0020	12:00-----	.81	.0002	.0048	p. m.				12:15-----	1.54	.0003	.0001
1:00-----	16.0	.0035	.0031					1:00-----	.56	.0001	.0013	1:00-----	1.62	.0004	.0004
								8:00-----	.53	.0001	.0020	2:30-----	1.62	.0004	.0010
								12:00-----	.50	.0001	.0024	4:00-----	1.54	.0003	.0016
								Oct. 13				5:30-----	1.47	.0003	.0021
								a. m.				7:00-----	1.40	.0003	.0026
								4:00-----	.53	.0001	.0004	9:00-----	1.34	.0003	.0032
												11:30-----	1.15	.0002	.0040
												p. m.			
												2:30-----	1.04	.0002	.0046
												3:30-----	.99	.0002	.0048



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Oct. 20				Oct. 30				Nov. 3				Nov. 9			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
7:00-----	0.95	0.0002	0.0055	4:00-----	1.62	0.0004	0.0012	2:00-----	3.03	0.0006	0.0014	9:00-----	2.40	0.0005	0.0054
10:00-----	.90	.0002	.0061	5:30-----	1.69	.0004	.0014	4:00-----	2.91	.0006	.0026				
12:00-----	.85	.0002	.0065	7:00-----	1.76	.0004	.0018	6:00-----	2.80	.0006	.0038	<i>p. m.</i>			
Oct. 21				9:00-----	1.69	.0004	.0024	8:00-----	2.69	.0006	.0050	2:00-----	2.40	.0005	.0079
<i>a. m.</i>				11:00-----	1.54	.0003	.0032	10:00-----	2.59	.0006	.0062	6:00-----	2.49	.0005	.0099
5:00-----	.81	.0002	.0010		1.34	.0003	.0038	12:00-----	2.49	.0005	.0074	12:00-----	2.49	.0005	.0129
9:00-----	.77	.0002	.0018	<i>p. m.</i>				<i>p. m.</i>				Nov. 10			
11:00-----	.77	.0002	.0022	1:00-----	1.21	.0003	.0044	4:00-----	2.40	.0005	.0094	<i>p. m.</i>			
				3:00-----	1.09	.0002	.0050	7:00-----	2.30	.0005	.0109	6:00-----	2.49	.0005	.0090
<i>p. m.</i>				4:00-----	1.04	.0002	.0052	12:00-----	2.20	.0005	.0134	12:00-----	2.40	.0005	.0120
1:30-----	.73	.0002	.0027	6:00-----	.99	.0002	.0056								
12:00-----	.69	.0001	.0048	8:00-----	.95	.0002	.0060	Nov. 4				Nov. 11			
Oct. 22				12:00-----	.85	.0002	.0068	<i>a. m.</i>				<i>a. m.</i>			
<i>a. m.</i>				Oct. 31				3:00-----	2.11	.0005	.0015	12:20-----	2.49	.0005	.0002
12:00-----	.62	.0001	.0012	<i>a. m.</i>				9:00-----	2.02	.0004	.0045	1:00-----	2.49	.0005	.0005
				2:30-----	.81	.0002	.0005	<i>p. m.</i>				2:00-----	2.59	.0006	.0011
<i>p. m.</i>				7:00-----	.77	.0002	.0014	1:00-----	1.94	.0004	.0061	3:00-----	2.69	.0006	.0017
4:00-----	.59	.0001	.0016	11:00-----	.73	.0002	.0022	7:00-----	1.94	.0004	.0085	:30-----	3.03	.0006	.0020
12:00-----	.59	.0001	.0024					12:00-----	1.85	.0004	.0105	4:00-----	3.64	.0008	.0024
Oct. 23				<i>p. m.</i>				Nov. 5				:30-----	4.50	.0010	.0029
<i>p. m.</i>				7:00-----	.65	.0001	.0038	<i>a. m.</i>				5:00-----	5.64	.0012	.0035
12:00-----	.59	.0001	.0024	12:00-----	.65	.0001	.0043	4:00-----	1.85	.0004	.0016	:10-----	6.17	.0013	.0037
Oct. 24				Nov. 1				7:00-----	1.76	.0004	.0028	:30-----	8.40	.0018	.0042
<i>a. m.</i>				<i>a. m.</i>				8:40-----	1.76	.0004	.0035	:50-----	9.36	.0020	.0048
12:00-----	.59	.0001	.0012	6:20-----	.62	.0001	.0006	9:00-----	1.76	.0004	.0036	6:00-----	9.86	.0021	.0052
				7:00-----	.65	.0001	.0007	10:00-----	2.02	.0004	.0040	:30-----	13.0	.0025	.0055
<i>p. m.</i>				8:00-----	.65	.0001	.0008	11:00-----	2.30	.0005	.0045	7:00-----	15.5	.0034	.0081
4:00-----	.59	.0001	.0016	:30-----	.73	.0002	.0009	12:00-----	2.49	.0005	.0050	:20-----	17.0	.0037	.0093
12:00-----	.59	.0001	.0024	.35-----	.81	.0002					.0045	8:00-----	18.1	.0039	.0115
Oct. 25				9:00-----	.90	.0002	.0010	<i>p. m.</i>				9:00-----	19.6	.0042	.0159
<i>a. m.</i>				:10-----	.99	.0002		4:00-----	2.69	.0006	.0053	10:00-----	24.9	.0054	.0207
4:00-----	.53	.0001	.0004	:25-----	1.34	.0003	.0011	12:30-----	3.25	.0007	.0057	:30-----	30.4	.0056	.0237
6:00-----	.56	.0001	.0006	10:00-----	1.62	.0004	.0013	1:00-----	3.25	.0007	.0057	11:00-----	34.5	.0075	.0273
10:00-----	.56	.0001	.0010	:40-----	1.85	.0004	.0016	:30-----	3.77	.0008	.0061	:30-----	39.7	.0086	.0314
<i>p. m.</i>				11:00-----	2.20	.0005	.0018	2:00-----	4.50	.0010	.0066	12:00-----	47.4	.0102	.0361
2:00-----	.59	.0001	.0014	:20-----	2.91	.0006	.0020	:30-----	5.82	.0013	.0072				
12:00-----	.59	.0001	.0024	:35-----	3.90	.0008	.0022	3:00-----	7.30	.0016	.0030	<i>p. m.</i>			
Oct. 26				12:00-----	5.14	.0011	.0025	:30-----	8.64	.0019	.0089	12:30-----	55.0	.0119	.0417
<i>p. m.</i>				<i>p. m.</i>	5.82	.0013	.0027	6:00-----	11.2	.0024	.0122	1:00-----	56.2	.0121	.0477
2:00-----	.59	.0001	.0014	12:10-----	6.92	.0015	.0029	:30-----	11.6	.0025	.0135	:20-----	56.2	.0121	.0517
12:00-----	.59	.0001	.0024	:25-----	9.12	.0020	.0034	6:00-----	11.2	.0024	.0148	2:00-----	52.5	.0113	.0595
Oct. 27				:40-----	11.9	.0026	.0040	:30-----	10.4	.0022	.0171	:40-----	46.2	.0100	.0666
<i>a. m.</i>				1:00-----	16.0	.0035	.0050	8:00-----	9.36	.0020	.0192	3:00-----	43.9	.0095	.0699
9:00-----	.65	.0001	.0009	:20-----	19.6	.0042	.0063	9:00-----	8.88	.0019	.0212	:30-----	39.7	.0086	.0745
<i>p. m.</i>				2:00-----	22.9	.0049	.0094	10:00-----	8.18	.0018	.0231	4:00-----	35.5	.0077	.0786
5:00-----	.59	.0001	.0017	:20-----	23.6	.0051	.0111	11:20-----	7.74	.0017	.0255	5:00-----	30.4	.0066	.0858
12:00-----	.59	.0001	.0024	3:00-----	22.2	.0048	.0144	12:00-----	7.52	.0016	.0266	6:00-----	26.2	.0058	.0920
Oct. 28				:30-----	20.3	.0044	.0167					7:00-----	23.6	.0051	.0975
<i>a. m.</i>				4:00-----	17.6	.0038	.0188	Nov. 6				8:00-----	20.9	.0045	.1023
6:00-----	.59	.0001	.0006	:30-----	15.5	.0034	.0206	<i>a. m.</i>				9:20-----	18.6	.0040	.1080
12:00-----	.53	.0001	.0012	5:00-----	13.7	.0030	.0222	1:30-----	7.11	.0015	.0024	10:30-----	16.5	.0036	.1124
<i>p. m.</i>				:30-----	12.3	.0027	.0237	2:40-----	6.73	.0015	.0041	11:40-----	15.0	.0032	.1164
12:00-----	.59	.0001	.0024	6:00-----	11.2	.0024	.0250	4:00-----	6.35	.0014	.0061	12:00-----	14.5	.0031	.1175
Oct. 29				:50-----	9.86	.0021	.0269	5:30-----	5.99	.0013	.0082				
<i>a. m.</i>				7:20-----	9.86	.0021	.0280	7:30-----	5.64	.0012	.0108	Nov. 12			
12:00-----	.50	.0001	.0024	:30-----	10.4	.0022	.0284	8:30-----	5.46	.0012	.0120	<i>a. m.</i>			
Oct. 30				8:20-----	10.4	.0022	.0302	10:30-----	5.30	.0011	.0144	1:30-----	13.4	.0029	.0045
<i>p. m.</i>				9:00-----	11.6	.0025	.0318	12:00-----	5.14	.0011	.0161	3:00-----	12.3	.0027	.0087
2:00-----	.50	.0001	.0014	:20-----	12.6	.0027	.0327	<i>p. m.</i>				4:20-----	11.6	.0025	.0122
3:00-----	.53	.0001	.0015	10:00-----	13.7	.0030	.0346	1:40-----	4.97	.0011	.0179	6:00-----	10.6	.0023	.0162
4:00-----	.56	.0001	.0016	:15-----	14.1	.0030	.0354	3:00-----	4.81	.0010	.0194	7:10-----	10.1	.0022	.0200
5:00-----	.59	.0001	.0017	11:00-----	13.7	.0022	.0374	4:30-----	4.65	.0010	.0209	9:00-----	9.60	.0021	.0229
6:00-----	.69	.0001	.0018	12:00-----	13.0	.0028	.0399	6:00-----	4.50	.0010	.0224	11:00-----	9.12	.0020	.0271
7:00-----	.73	.0002	.0020	Nov. 2				8:00-----	4.35	.0009	.0244	<i>p. m.</i>			
:30-----	.77	.0002	.0021	<i>a. m.</i>				9:40-----	4.20	.0009	.0259	1:30-----	8.61	.0019	.0321
8:30-----	.77	.0002	.0023	1:00-----	11.2	.0024	.0026	12:00-----	4.05	.0009	.0280	4:00-----	8.18	.0018	.0369
10:00-----	.85	.0002	.0026	2:00-----	9.60	.0021	.0049	Nov. 7				6:30-----	7.74	.0017	.0414
12:00-----	.99	.0002	.0030	3:00-----	8.64	.0019	.0069	<i>a. m.</i>				8:00-----	7.52	.0016	.0457
Oct. 31				4:00-----	7.74	.0017	.0087	3:30-----	3.90	.0008	.0027	9:40-----	7.30	.0016	.0468
<i>a. m.</i>				5:00-----	7.11	.0015	.0103	7:00-----	3.77	.0008	.0059	12:00-----	7.11	.0015	.0505
1:00-----	1.09	.0002	.0002	6:00-----	6.54	.0014	.0118	12:00-----	3.51	.0008	.0099				
:40-----	1.21	.0003	.0004	7:00-----	6.17	.0013	.0132	<i>p. m.</i>				Nov. 13			
2:40-----	1.54	.0003	.0007	8:30-----	5.64	.0012	.0152	7:00-----	3.38	.0007	.0155	<i>a. m.</i>			
3:00-----	1.62	.0004	.0008	10:00-----	5.14	.0011	.0170	12:00-----	3.25	.0007	.0190	1:30-----	6.92	.0015	.0023
				11:30-----	4.81	.0010	.0187	Nov. 8				3:30-----	6.73	.0015	.0053
				<i>p. m.</i>				<i>a. m.</i>				6:00-----	6.64	.0014	.0091
				1:00-----	4.50	.0010	.0202	3:00-----	3.14	.0007	.0021	8:00-----	6.35	.0014	.0119
				2:30-----	4.20	.0009	.0217	6:00-----	3.03	.0006	.0042	10:30-----	6.17	.0013	.0151
				4:00-----	3.90	.0008	.0231	11:00-----	2.91	.0006	.0072	<i>p. m.</i>			
				5:30-----	3.77	.0008	.0243	<i>p. m.</i>				4:30-----	5.99	.0013	.0232
				7:00-----	3.51	.0008	.0255	2:00-----	2.80	.0006	.0090	7:30-----	5.82	.0013	.0271
				8:00-----	3.38	.0007	.0262	6:00-----	2.69	.0006	.0132	10:00-----	5.64	.0012	.0304
				10:00-----	3.25	.0007	.0276	12:00-----	2.69	.0006	.0150	12:00-----	5.46	.0012	.0328
				12:00-----	3.14	.0007	.0290					Nov. 14			
												<i>a. m.</i>			
												4:00-----	5.30	.0011	.0048
												8:00-----	5.14	.0011	.0092



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Nov. 14	Second-feet	Inches per hour	Inches	Nov. 24	Second-feet	Inches per hour	Inches	Nov. 30	Second-feet	Inches per hour	Inches	Dec. 7	Second-feet	Inches per hour	Inches
<i>p. m.</i>				<i>a. m.</i>				<i>p. m.</i>				<i>a. m.</i>			
1:00-----				2:20-----				2:30-----				4:00-----			
4:00-----				5:00-----				3:30-----				5:00-----			
8:00-----	4. 81	. 0010	. 0224	6:40-----	5. 14	. 0011	. 0071	5:30-----	9. 36	. 0020	. 0324	6:00-----	5. 46	. 0012	. 0064
12:00-----	4. 81	. 0010	. 0264	7:30-----	5. 30	. 0011	. 0070	7:00-----	10. 4	. 0022	. 0356	7:00-----	5. 99	. 0013	. 0077
				9:30-----	5. 30	. 0011	. 0092	12:00-----	11. 6	. 0025	. 0476	8:00-----	6. 35	. 0014	. 0091
Nov. 15				<i>p. m.</i>				Dec. 1				9:00-----	7. 11	. 0015	. 0106
<i>a. m.</i>				1:00-----	4. 81	. 0010	. 0131	<i>a. m.</i>				10:00-----	7. 74	. 0017	. 0122
8:30-----	4. 81	. 0010	. 0085	5:00-----	4. 35	. 0009	. 0171	1:00-----	11. 2	. 0024	. 0025	11:00-----	8. 18	. 0018	. 0140
12:00-----	4. 97	. 0012	. 0124	7:00-----	4. 20	. 0009	. 0189	6:00-----	9. 60	. 0021	. 0140	<i>p. m.</i>			
<i>p. m.</i>				11:00-----	3. 90	. 0008	. 0225	9:30-----	8. 88	. 0019	. 0210	12:30-----	8. 18	. 0018	. 0167
7:30-----	4. 97	. 0011	. 0207	12:00-----	3. 90	. 0008	. 0233	<i>p. m.</i>				2:00-----	7. 96	. 0017	. 0194
12:00-----	4. 65	. 0010	. 0252					2:00-----	8. 18	. 0018	. 0296	3:30-----	7. 52	. 0016	. 0220
Nov. 16				Nov. 25				6:00-----	7. 74	. 0017	. 0368	5:00-----	7. 11	. 0015	. 0244
<i>a. m.</i>				<i>a. m.</i>				12:00-----	7. 30	. 0016	. 0470	6:30-----	6. 73	. 0015	. 0267
10:00-----	4. 05	. 0009	. 0100	3:00-----	3. 77	. 0008	. 0021	<i>Dec. 2</i>				8:20-----	6. 35	. 0014	. 0297
<i>p. m.</i>				9:00-----	3. 51	. 0008	. 0072	<i>a. m.</i>				10:30-----	5. 99	. 0013	. 0325
8:00-----	4. 05	. 0009	. 0190	12:00-----	3. 51	. 0008	. 0096	9:00-----	6. 54	. 0014	. 0135	12:00-----	5. 82	. 0013	. 0345
12:00-----	3. 90	. 0008	. 0226	<i>p. m.</i>				12:00-----	6. 35	. 0014	. 0177	<i>Dec. 8</i>			
Nov. 17				Nov. 26				<i>p. m.</i>				<i>a. m.</i>			
<i>a. m.</i>				<i>a. m.</i>				2:00-----	6. 35	. 0014	. 0205	2:00-----	5. 64	. 0012	. 0026
10:00-----	3. 77	. 0008	. 0080	6:00-----	3. 25	. 0007	. 0042	5:00-----	6. 54	. 0014	. 0247	4:00-----	5. 46	. 0012	. 0050
<i>p. m.</i>				12:00-----	3. 14	. 0007	. 0084	9:00-----	6. 35	. 0014	. 0303	6:00-----	5. 30	. 0011	. 0074
1:00-----	3. 77	. 0008	. 0104	<i>p. m.</i>				12:00-----	6. 17	. 0013	. 0345	8:00-----	5. 14	. 0011	. 0096
4:00-----	4. 05	. 0009	. 0131	1:00-----	3. 90	. 0008	. 0092	<i>Dec. 3</i>				11:00-----	4. 97	. 0011	. 0129
6:30-----	4. 65	. 0010	. 0156	2:00-----	5. 46	. 0012	. 0102	<i>a. m.</i>				12:00-----	4. 81	. 0010	. 0173
9:00-----	4. 97	. 0011	. 0184	3:00-----	10. 9	. 0024	. 0111	1:20-----	5. 99	. 0013	. 0017	<i>Dec. 9</i>			
10:30-----	4. 97	. 0011	. 0201	3:00-----	39. 7	. 0086	. 0139	2:40-----	4. 65	. 0010	. 0033	<i>a. m.</i>			
12:00-----	4. 81	. 0010	. 0218	3:00-----	114	. 0246	. 0222	4:00-----	3. 64	. 0011	. 0048	4:00-----	4. 50	. 0010	. 0040
Nov. 18				4:00-----	161	. 0348	. 0371	4:00-----	3. 38	. 0010	. 0055	9:00-----	4. 20	. 0009	. 0090
<i>a. m.</i>				5:00-----	173	. 0374	. 0732	7:00-----	4. 05	. 0009	. 0078	<i>p. m.</i>			
7:00-----	4. 05	. 0009	. 0070	6:00-----	132	. 0285	. 1062	4:00-----	4. 50	. 0010	. 0085	2:00-----	4. 20	. 0009	. 0135
<i>p. m.</i>				7:00-----	114	. 0246	. 1328	4:00-----	5. 30	. 0011	. 0107	6:00-----	4. 50	. 0010	. 0175
1:00-----	3. 64	. 0008	. 0124	8:00-----	124	. 0268	. 1585	10:40-----	6. 17	. 0013	. 0119	12:00-----	4. 35	. 0009	. 0235
6:00-----	3. 38	. 0007	. 0164	9:00-----	130	. 0281	. 1860	12:00-----	6. 73	. 0015	. 0138	<i>Dec. 10</i>			
12:00-----	3. 64	. 0008	. 0212	10:00-----	110	. 0238	. 2120	<i>p. m.</i>				<i>a. m.</i>			
Nov. 19				11:00-----	91. 5	. 0198	. 2338	2:00-----	6. 73	. 0015	. 0168	12:00-----	4. 20	. 0009	. 0108
<i>a. m.</i>				12:00-----	80. 3	. 0173	. 2524	4:00-----	5. 64	. 0012	. 0196	<i>p. m.</i>			
8:00-----	3. 38	. 0007	. 0064	Nov. 27	<i>a. m.</i>			6:00-----	5. 46	. 0012	. 0220	<i>Dec. 11</i>			
<i>p. m.</i>				1:00-----	68. 3	. 0148	. 0161	10:00-----	4. 50	. 0010	. 0264	<i>a. m.</i>			
12:00-----	3. 38	. 0007	. 0176	2:00-----	62. 1	. 0134	. 0302	12:00-----	4. 35	. 0009	. 0284	12:00-----	4. 20	. 0009	. 0108
Nov. 20				3:00-----	53. 7	. 0116	. 0427	<i>Dec. 4</i>				<i>p. m.</i>			
<i>a. m.</i>				4:00-----	48. 7	. 0105	. 0538	<i>a. m.</i>				12:00-----	3. 77	. 0008	. 0216
5:00-----	3. 38	. 0007	. 0035	5:00-----	44. 9	. 0097	. 0639	2:00-----	4. 35	. 0009	. 0018	<i>Dec. 11</i>			
9:00-----	3. 25	. 0007	. 0063	6:00-----	41. 8	. 0090	. 0733	9:00-----	4. 97	. 0011	. 0088	<i>a. m.</i>			
<i>p. m.</i>				7:00-----	38. 7	. 0084	. 0820	10:00-----	5. 14	. 0011	. 0099	5:00-----	3. 64	. 0008	. 0040
12:00-----	3. 25	. 0007	. 0168	8:00-----	36. 6	. 0079	. 0902	<i>p. m.</i>				12:00-----	3. 64	. 0008	. 0096
Nov. 21				9:00-----	34. 5	. 0075	. 0979	12:00-----	5. 14	. 0011	. 0253	<i>p. m.</i>			
<i>a. m.</i>				12:00-----	28. 7	. 0062	. 1186	<i>Dec. 5</i>				12:00-----	3. 51	. 0008	. 0192
5:00-----	3. 14	. 0007	. 0035	<i>p. m.</i>				<i>a. m.</i>				<i>Dec. 12</i>			
11:00-----	3. 03	. 0006	. 0077	3:00-----	25. 5	. 0055	. 1363	9:00-----	5. 14	. 0011	. 0099	<i>a. m.</i>			
<i>p. m.</i>				8:00-----	21. 6	. 0047	. 1618	<i>p. m.</i>				11:00-----	3. 51	. 0008	. 0088
12:00-----	3. 03	. 0006	. 0155	12:00-----	18. 6	. 0040	. 1794	5:00-----	4. 81	. 0010	. 0187	12:00-----	3. 64	. 0008	. 0096
Nov. 22				Nov. 28	<i>a. m.</i>			7:30-----	4. 50	. 0010	. 0212	<i>p. m.</i>			
<i>a. m.</i>				4:30-----	16. 0	. 0035	. 0171	11:00-----	4. 20	. 0009	. 0247	1:00-----	3. 90	. 0008	. 0104
10:00-----	3. 03	. 0006	. 0060	11:00-----	13. 0	. 0028	. 0379	12:00-----	3. 90	. 0008	. 0256	2:00-----	4. 20	. 0009	. 0113
<i>p. m.</i>				<i>p. m.</i>				<i>Dec. 6</i>				3:00-----	4. 81	. 0010	. 0123
12:00-----	2. 69	. 0006	. 0144	2:00-----	12. 3	. 0027	. 0463	<i>a. m.</i>				4:00-----	5. 64	. 0012	. 0134
Nov. 23				7:00-----	11. 6	. 0025	. 0593	2:00-----	3. 64	. 0008	. 0016	5:00-----	6. 92	. 0015	. 0148
<i>a. m.</i>				12:00-----	10. 6	. 0023	. 0713	6:00-----	3. 90	. 0008	. 0048	6:00-----	8. 88	. 0019	. 0165
3:00-----	2. 69	. 0006	. 0018	Nov. 29	<i>a. m.</i>			9:00-----	3. 90	. 0008	. 0072	7:00-----	10. 4	. 0022	. 0176
9:00-----	2. 59	. 0006	. 0051	5:00-----	10. 4	. 0022	. 0115	12:00-----	4. 50	. 0010	. 0099	7:00-----	13. 4	. 0029	. 0189
<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				7:00-----	17. 0	. 0037	. 0200
6:00-----	2. 59	. 0006	. 0108	5:00-----	9. 86	. 0021	. 0379	2:00-----	4. 20	. 0009	. 0119	7:00-----	21. 6	. 0047	. 0214
7:30-----	2. 69	. 0006	. 0117	12:00-----	8. 88	. 0019	. 0519	4:00-----	4. 50	. 0010	. 0139	8:00-----	24. 9	. 0054	. 0231
12:00-----	3. 14	. 0007	. 0149	<i>a. m.</i>				5:30-----	4. 65	. 0010	. 0154	9:00-----	31. 2	. 0067	. 0272
Nov. 30				Nov. 30	<i>a. m.</i>			7:30-----	4. 65	. 0010	. 0174	9:00-----	32. 8	. 0071	. 0295
<i>a. m.</i>				7:00-----	8. 18	. 0018	. 0133	12:00-----	4. 50	. 0010	. 0219	10:00-----	32. 0	. 0069	. 0366
6:00-----	2. 59	. 0006	. 0108	11:00-----	7. 96	. 0017	. 0205	<i>Dec. 7</i>				11:00-----	28. 7	. 0062	. 0432
7:30-----	2. 69	. 0006	. 0117	<i>a. m.</i>				1:30-----	4. 50	. 0010	. 0015	12:00-----	25. 5	. 0055	. 0491
12:00-----	3. 14	. 0007	. 0149	7:00-----	8. 18	. 0018	. 0133	2:00-----	4. 81	. 0010	. 0020	<i>Dec. 13</i>			
				11:00-----	7. 96	. 0017	. 0205	3:00-----	4. 81	. 0010	. 0030	<i>a. m.</i>			
												1:00-----	22. 2	. 0048	. 0052
												2:00-----	20. 3	. 0044	. 0098



TABLE 21.—Run-off from watershed 97, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Dec. 13				Dec. 17				Dec. 24				Dec. 28			
a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches
3:00	18.1	0.0039	0.0140	5:00	23.6	0.0051	0.0286	1:30	5.14	0.0011	0.0155	11:30	24.2	0.0052	0.0962
4:00	17.0	.0037	.0178	6:00	22.2	.0048	.0336	6:00	5.46	.0012	.0209	12:00	28.7	.0062	.0991
5:00	15.5	.0034	.0214	8:20	20.9	.0045	.0446	7:30	5.46	.0012	.0227				
6:00	14.5	.0031	.0247	10:00	19.6	.0042	.0519	12:00	5.14	.0011	.0281	Dec. 29			
7:30	13.4	.0029	.0292	12:00	18.6	.0040	.0601					a. m.			
9:00	12.6	.0027	.0334					Dec. 25				12:20	33.7	.0073	.0023
10:40	11.6	.0025	.0377					a. m.				:40	39.7	.0086	.0050
p. m.				1:20	18.1	.0039	.0654	7:00	4.81	.0010	.0077	1:00	43.9	.0095	.0080
12:30	10.9	.0024	.0423	2:40	17.6	.0038	.0706					:30	48.7	.0105	.0130
2:30	10.4	.0022	.0469	4:00	17.0	.0037	.0757	p. m.				2:00	55.0	.0119	.0186
4:00	10.1	.0022	.0502	6:30	16.0	.0035	.0847	12:30	4.81	.0010	.0132	:20	60.6	.0131	.0228
5:30	9.86	.0021	.0535	8:00	15.5	.0034	.0900	1:00	4.81	.0010	.0137	:40	74.8	.0162	.0277
7:20	9.60	.0021	.0573	10:30	14.5	.0031	.0983	2:00	4.97	.0011	.0148	3:00	96	.0207	.0339
9:00	9.36	.0020	.0608	12:00	14.1	.0030	.1030	3:00	5.14	.0011	.0159	:20	117	.0253	.0416
12:00	9.12	.0020	.0668					12:00	5.14	.0011	.0258	:40	135	.0292	.0507
Dec. 14				Dec. 18				Dec. 26				4:00	152	.0328	.0610
a. m.				a. m.				1:00	5.46	.0012	.0012	:30	173	.0374	.0786
3:00	8.88	.0019	.0060	3:00	13.7	.0030	.0090	2:00	5.64	.0012	.0024	5:00	186	.0402	.0980
5:30	8.64	.0019	.0108	5:30	13.4	.0029	.0165	3:00	6.17	.0013	.0037	:10	189	.0408	.1048
8:00	8.40	.0018	.0156	8:00	13.0	.0028	.0238	4:00	6.92	.0015	.0051	:30	186	.0402	.1183
9:30	8.18	.0018	.0185	9:30	12.6	.0027	.0280	5:00	7.52	.0016	.0067	6:00	167	.0361	.1374
11:30	7.96	.0017	.0221	11:00	12.3	.0027	.0321	6:00	7.96	.0017	.0084	:30	146	.0315	.1543
p. m.				p. m.				7:00	7.96	.0017	.0102	7:00	132	.0285	.1693
1:30	7.74	.0017	.0255	1:00	11.9	.0026	.0375	8:00	8.18	.0018	.0120	:30	124	.0268	.1832
7:00	7.74	.0017	.0349	3:30	11.6	.0025	.0440	9:00	7.96	.0017	.0138	8:00	119	.0257	.1964
10:30	7.52	.0016	.0409	6:00	11.2	.0024	.0503	10:30	7.52	.0016	.0164	9:00	114	.0246	.2216
12:00	7.52	.0016	.0433	10:00	10.9	.0024	.0599	12:00	7.11	.0015	.0188	10:00	112	.0242	.2460
Dec. 15				12:00	10.6	.0023	.0647					11:00	112	.0242	.2702
a. m.				Dec. 19				p. m.				:20	112	.0242	.2783
3:00	7.30	.0016	.0048	a. m.				2:30	6.73	.0015	.0226	12:00	100	.0216	.2932
10:00	7.11	.0015	.0160	5:30	10.4	.0022	.0127	4:30	6.54	.0014	.0256	p. m.			
12:00	7.11	.0015	.0370	8:30	10.1	.0022	.0193	6:30	6.35	.0014	.0284	12:30	93.8	.0203	.3037
Dec. 16				p. m.				9:30	6.17	.0013	.0326	1:00	87.8	.0190	.3136
a. m.				12:30	9.86	.0021	.0281	12:00	5.99	.0013	.0359	:30	82.2	.0178	.3228
12:30	7.11	.0015	.0008	5:00	9.60	.0021	.0376	Dec. 27				2:00	74.8	.0162	.3313
1:00	7.30	.0016	.0016	9:30	9.36	.0020	.0471	a. m.				:30	69.8	.0151	.3392
2:00	8.18	.0018	.0033	12:00	9.12	.0020	.0521	4:30	5.82	.0013	.0059	3:00	66.7	.0144	.3466
:30	9.12	.0020	.0043	Dec. 20				9:00	5.64	.0012	.0118	4:00	62.1	.0134	.3605
3:00	11.2	.0024	.0054	a. m.				p. m.				5:00	60.6	.0131	.3738
:15	13.7	.0030	.0061	9:00	8.88	.0019	.0180	3:40	5.64	.0012	.0198	:20	59.0	.0127	.3781
:30	18.1	.0039	.0070	p. m.				4:00	5.64	.0012	.0202	6:00	60.6	.0131	.3867
:45	23.6	.0051	.0081	1:00	8.64	.0019	.0256	5:00	5.99	.0013	.0209	7:00	62.1	.0134	.4000
4:00	31.2	.0067	.0096	6:30	8.40	.0018	.0361	:30	6.54	.0014	.0216	10:00	62.1	.0134	.4402
:20	42.8	.0092	.0123	9:30	8.18	.0018	.0415	6:00	8.64	.0019	.0233	11:00	60.6	.0131	.4535
:40	55.0	.0119	.0158	12:00	7.96	.0017	.0460	:20	10.6	.0023	.0240	12:00	59.0	.0127	.4664
5:00	62.1	.0134	.0200	Dec. 21				:40	14.5	.0031	.0249	Dec. 30			
:20	66.7	.0144	.0246	a. m.				7:00	18.1	.0039	.0261	a. m.			
:50	69.8	.0151	.0320	8:00	7.74	.0017	.0136	:30	24.9	.0054	.0285	1:00	59.0	.0127	.0127
6:00	69.8	.0151	.0345	p. m.				8:00	29.5	.0064	.0315	2:00	57.5	.0124	.0253
:20	68.3	.0148	.0395	3:00	7.30	.0016	.0255	:35	31.2	.0067	.0353	3:00	56.2	.0121	.0376
7:00	63.7	.0138	.0490	6:30	7.11	.0015	.0311	9:00	30.4	.0066	.0381	4:00	55.0	.0119	.0436
8:00	57.5	.0124	.0621	11:00	6.92	.0015	.0379	10:00	27.9	.0060	.0444	5:00	53.7	.0116	.0496
9:00	49.9	.0108	.0737	12:00	6.92	.0015	.0394	11:00	25.5	.0055	.0502	6:00	52.5	.0113	.0729
10:00	43.9	.0095	.0839	Dec. 22				12:00	24.2	.0052	.0556	7:00	51.2	.0110	.0841
11:00	39.7	.0086	.0930	a. m.				Dec. 28				8:00	49.9	.0108	.0950
12:00	36.6	.0079	.1013	p. m.				a. m.				9:00	47.4	.0102	.1055
1:00	34.5	.0075	.1090	3:00	7.30	.0016	.0255	2:00	24.2	.0052	.0556	11:00	43.9	.0095	.1253
:20	33.7	.0073	.1115	6:30	7.11	.0015	.0311	3:30	22.9	.0049	.0181	12:00	41.8	.0090	.1346
2:00	35.5	.0077	.1165	11:00	6.92	.0015	.0379	4:00	22.9	.0049	.0181	p. m.			
:20	37.6	.0081	.1191	12:00	6.92	.0015	.0394	5:00	21.6	.0047	.0253	1:20	40.7	.0088	.1465
:40	43.9	.0095	.1220	Dec. 23				6:00	20.9	.0045	.0299	3:00	39.7	.0086	.1610
3:00	53.7	.0116	.1255	a. m.				7:30	19.6	.0042	.0365	5:30	37.6	.0081	.1820
:30	62.1	.0134	.1318	3:00	6.92	.0015	.0045	9:00	18.6	.0040	.0427	6:40	36.6	.0079	.1913
:40	65.2	.0141	.1341	9:30	6.73	.0015	.0143	10:30	17.6	.0038	.0486	8:30	34.5	.0075	.2054
4:00	65.2	.0141	.1388	p. m.				11:30	17.0	.0037	.0524	10:30	32.8	.0071	.2200
:15	65.2	.0141	.1423	1:00	6.54	.0014	.0196					12:00	32.0	.0069	.2305
5:00	59.0	.0127	.1524	12:00	6.17	.0013	.0350	p. m.							
:30	55.0	.0119	.1586	Dec. 24				a. m.				1:20	40.7	.0088	.1465
6:00	51.2	.0110	.1644	a. m.				2:00	24.2	.0052	.0104	3:00	39.7	.0086	.1610
7:00	43.9	.0095	.1747	3:00	6.92	.0015	.0045	3:30	22.9	.0049	.0181	5:30	37.6	.0081	.1820
8:00	39.7	.0086	.1838	9:30	6.73	.0015	.0143	4:00	22.9	.0049	.0181	6:40	36.6	.0079	.1913
9:00	36.6	.0079	.2021	p. m.				5:00	21.6	.0047	.0253	8:30	34.5	.0075	.2054
10:00	33.7	.0073	.2097	1:00	6.54	.0014	.0196	6:00	20.9	.0045	.0299	10:30	32.8	.0071	.2200
11:00	31.2	.0067	.2167	12:00	6.17	.0013	.0350	:40	14.5	.0031	.0768	12:00	32.0	.0069	.2305
12:00	29.5	.0064	.2233	Dec. 25				7:00	14.5	.0031	.0778	Dec. 31			
Dec. 17				a. m.				8:00	15.5	.0034	.0811	a. m.			
a. m.				3:00	5.14	.0011	.0072	:30	16.5	.0036	.0829	1:00	23.6	.0051	.0761
1:00	27.9	.0060	.0062	6:00	5.14	.0011	.0116	9:00	18.1	.0039	.0848	3:00	22.9	.0049	.0861
2:20	26.2	.0057	.0141	10:00	4.97	.0011	.0116	:30	19.6	.0042	.0869	7:30	22.2	.0048	.1082
3:30	24.9	.0054	.0206	12:00	5.14	.0011	.0138	10:00	20.9	.0045	.0891	10:00	21.6	.0047	.1202
								11:00	22.2	.0048	.0937	12:00	20.9	.0045	.1294



TABLE 22.—Run-off from watershed 10, 1940

LOCATION: Latitude 40°23'33", longitude 81°48'19".

## PHYSICAL CHARACTERISTICS:

*Drainage area.*—122 acres.*Length of principal watercourse.*—3,400 feet.*Topography.*—The area is highly dissected and well drained and has steep slopes of moderate length. Aspect is to the southwest.*Slope.*—The average slope on this watershed has not been determined. In general the valleys are narrow and have high gradients. Five percent of the watershed has a slope of less than 6 percent; 8 percent, 6 to 10 percent; 62 percent, 10 to 20 percent; and 25 percent has a slope of 20 percent or more.*Erosion condition.*—There are occasional gullies more than 100 feet apart on 3 percent of the area. There are no large gullies. Less than 25 percent of the topsoil has been removed from 13 percent of the watershed, 25 to 50 percent from 48 percent, 50 to 75 percent from 14 percent, and over 75 percent from 2 percent of the watershed. There has been no erosion on 19 percent of the area.*Soil.*—Keene silt loam is the predominant soil type on this watershed. It occupies approximately 39 percent of the area.

## LAND USE AND VEGETAL COVER:

*Land use.*—Mixed cover. In 1940 none of the farms were operating under cooperative agreement.*Vegetal cover and soil conditions.*—See table 10.

## MEASUREMENTS:

*Precipitation.*—Rainfall was measured at 1 recording rain gage, 14, and 6 nonrecording rain gages, 10, 11, 15, 20, 21, and 22 (fig. 1). Snowfall was measured in the nonrecording gages supplemented by snow boards. Snow inventory on the watershed was based on surveys and observations made on typical areas near project headquarters.*Run-off.*—Run-off was measured by a dual Parshall flume having a main flume of 15-foot throat width and a supplemental flume of 1-foot throat width. The records of run-off for Jan. 1 to Mar. 15 are very poor because of ice and therefore are omitted here. The records after Mar. 15 are very good. Records of low flow during summer months were supplemented by periodic volumetric measurements. Rating curves established from laboratory tests of similar flumes were used.*Soil loss.*—Records of soil loss were not obtained.*Changes in instrumentation during year.*—None.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, AUGUST 1937 TO DECEMBER 1940:

*Rainfall.*—Total precipitation for 1940, 46.77 inches; average annual precipitation for period of record, 41.16 inches.*Run-off.*—Maximum rate of run-off for period of record, 0.368 inch per hour, June 18, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches T		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Mar. 15				Mar. 18				Mar. 21				Mar. 25 <sup>1</sup>			
p. m.				p. m.				a. m.							
12:00-----	0.06	0.0004		7:00-----	0.20	0.016	0.0217	4:00-----	0.12	0.0010	0.0044				
				:05-----	.51	.0341	.0219	9:00-----	.10	.0008	.0089	Mar. 26 <sup>1</sup>	.07	.0006	.0144
Mar. 16				:07-----	.64	.0052	.0220	11:30-----	.12	.0010	.0112				
a. m.				:12-----	.88	.0072	.0225					Mar. 27 <sup>1</sup>	.07	.0006	.0144
3:30-----	.06	.0004	0.0014	:15-----	1.15	.0093	.0229	p. m.							
4:00-----	.07	.0006	.0017	:20-----	1.57	.0128	.0238	1:00-----	.14	.0011	.0127	Mar. 28			
12:00-----	.06	.0004	.0057	:30-----	1.80	.0146	.0269	12:00-----	.14	.0011	.0248	p. m.			
				:40-----	2.18	.0177	.0296					2:00-----	.07	.0006	.0084
3:00-----	.06	.0004	.0069	:50-----	2.53	.0206	.0328	Mar. 22				5:00-----	.09	.0007	.0105
4:20-----	.07	.0006	.0075	8:00-----	2.63	.0214	.0363	a. m.				12:00-----	.07	.0006	.0147
5:00-----	.12	.0010	.0080	:15-----	2.74	.0223	.0418	3:00-----	.14	.0011	.0033				
5:30-----	.09	.0007	.0108	:40-----	2.33	.0189	.0504	7:00-----	.10	.0008	.0073	Mar. 29			
12:00-----	.07	.0006	.0132	9:00-----	1.93	.0157	.0562	11:00-----	.09	.0007	.0105	a. m.			
Mar. 17				:30-----	1.57	.0128	.0633					5:00-----	.07	.0006	.0030
a. m.				10:00-----	1.31	.0106	.0691	Mar. 23				9:00-----	.06	.0004	.0050
8:00-----	.06	.0004	.0020	:30-----	1.15	.0093	.0743	3:00-----	.07	.0006	.0018	10:00-----	.07	.0006	.0070
11:00-----	.07	.0006	.0035	11:00-----	.95	.0077	.0785	7:00-----	.10	.0008	.0126				
12:00-----	.12	.0010	.0043	12:00-----	.80	.0065	.0856	10:00-----	.07	.0006	.0187	p. m.			
								12:00-----	.07	.0006	.0199	2:00-----	.07	.0006	.0094
p. m.				Mar. 19								10:00-----	.04	.0003	.0134
12:30-----	.16	.0013	.0049	a. m.				Mar. 24				12:00-----	.04	.0003	.0140
1:20-----	.22	.0018	.0061	1:00-----	.68	.0055	.0060	a. m.							
3:20-----	.27	.0022	.0101	2:30-----	.58	.0047	.0137	3:00-----	.07	.0006	.0018	Mar. 30			
4:00-----	.29	.0024	.0116	4:00-----	.49	.0040	.0203	8:00-----	.06	.0004	.0043	a. m.			
5:00-----	.27	.0022	.0139	6:00-----	.43	.0035	.0279	12:00-----	.06	.0004	.0059	5:10-----	.04	.0003	.0016
7:30-----	.22	.0018	.0189	8:20-----	.37	.0030	.0353					:20-----	.04	.0003	
11:00-----	.18	.0014	.0240	10:00-----	.35	.0028	.0401	p. m.				6:00-----	.07	.0006	.0019
12:00-----	.18	.0014	.0254	12:00-----	.32	.0026	.0455	2:00-----	.07	.0006	.0069	:30-----	.10	.0008	.0023
Mar. 18								4:00-----	.07	.0006	.0081	7:00-----	.12	.0011	.0027
a. m.				3:00-----	.29	.0024	.0530	8:00-----	.06	.0004	.0101	8:00-----	.18	.0015	.0040
6:00-----	.14	.0011	.0078	5:00-----	.27	.0022	.0576	12:00-----	.04	.0003	.0117	9:00-----	.25	.0020	.0058
				8:00-----	.25	.0020	.0639	Mar. 25				:40-----	.29	.0024	.0073
p. m.				12:00-----	.22	.0018	.0715					10:00-----	.29	.0024	.0081
2:00-----	.12	.0010	.0158	Mar. 20				a. m.				12:00-----	.29	.0024	.0129
5:25-----	.14	.0011	.0196	a. m.				1:00-----	.09	.0007	.0006				
6:00-----	.14	.0011	.0202	6:00-----	.22	.0018	.0108	3:00-----	.06	.0004	.0018	p. m.			
:30-----	.14	.0011	.0208	12:00-----	.20	.0016	.0210	8:00-----	.06	.0004	.0038	12:40-----	.32	.0026	.0146
:40-----	.18	.0014	.0210					10:00-----	.07	.0006	.0048	1:00-----	.40	.0032	.0156
:50-----	.27	.0022	.0213	p. m.								:20-----	.51	.0041	.0168
:55-----	.35	.0028	.0215	4:00-----	.16	.0013	.0270					:40-----	.64	.0052	.0183
				12:00-----	.14	.0011	.0366	p. m.				2:00-----	.80	.0065	.0203
								12:00-----	.07	.0006	.0132	:20-----	1.07	.0087	.0228
												:40-----	1.23	.0100	.0259

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
Mar. 30				Apr. 4				Apr. 11				Apr. 17			
<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>			
3:00-----	1.44	0.0117	0.0295	8:00-----	0.14	0.0011	0.0355	4:20-----	0.99	0.0080	0.0161	4:00-----	0.16	0.0013	0.0052
:20-----	1.66	.0135	.0337	12:00-----	.14	.0011	.0399	5:00-----	1.07	.0087	.0219	9:00-----	.14	.0011	.0112
:40-----	1.98	.0161	.0386					:20-----	1.15	.0093	.0249				
4:00-----	2.33	.0189	.0444	Apr. 5				:40-----	1.31	.0106	.0282	<i>p. m.</i>			
:15-----	2.48	.0202	.0493					6:00-----	1.39	.0113	.0318	1:40-----	.14	.0011	.0163
:30-----	2.53	.0206	.0544	<i>a. m.</i>				:40-----	1.66	.0135	.0401	:50-----	.20	.0016	.0165
:40-----	2.48	.0202	.0578	10:00-----	.10	.0008	.0100	7:00-----	2.08	.0169	.0452	7:30-----	.20	.0016	.0256
5:00-----	2.23	.0181	.0642					:20-----	2.80	.0228	.0518	9:00-----	.25	.0020	.0283
:30-----	1.84	.0150	.0725	<i>p. m.</i>				:40-----	3.70	.0301	.0606	11:00-----	.25	.0020	.0323
6:00-----	1.57	.0128	.0794	3:00-----	.09	.0007	.0135	8:00-----	4.25	.0345	.0714	12:00-----	.22	.0018	.0312
:30-----	1.35	.0110	.0854	12:00-----	.07	.0006	.0189	:40-----	5.08	.0413	.0966				
7:00-----	1.19	.0097	.0906					9:00-----	5.89	.0479	.1114	Apr. 18			
8:00-----	.95	.0077	.0993	Apr. 6				:20-----	7.58	.0616	.1297	<i>a. m.</i>			
9:00-----	.80	.0065	.1064					10:00-----	8.00	.0650	.1719	1:55-----	.20	.0016	.0033
10:20-----	.68	.0055	.1144	<i>p. m.</i>				:10-----	8.47	.0688	.1830	2:00-----	.25	.0020	.0034
11:20-----	.61	.0050	.1197	1:00-----	.07	.0006	.0078	:25-----	8.47	.0688	.2002	:20-----	.29	.0024	.0041
12:00-----	.58	.0047	.1229	3:00-----	.06	.0004	.0088	:40-----	6.32	.0514	.2152	6:00-----	.27	.0022	.0125
				12:00-----	.06	.0004	.0124	11:00-----	5.62	.0457	.2314	11:00-----	.22	.0018	.0225
Mar. 31				Apr. 7				:20-----	4.68	.0380	.2454				
<i>a. m.</i>								:44-----	4.00	.0325	.2595	<i>p. m.</i>			
1:00-----	.51	.0041	.0044	<i>p. m.</i>				12:00-----	3.41	.0277	.2675	4:00-----	.18	.0014	.0305
3:00-----	.46	.0037	.0122	1:00-----	.06	.0004	.0052	Apr. 12				9:00-----	.16	.0013	.0375
5:30-----	.40	.0032	.0210	2:00-----	.07	.0006	.0057	<i>a. m.</i>				12:00-----	.16	.0013	.0414
7:00-----	.37	.0030	.0256	:20-----	.07	.0006	.0059	12:30-----	2.85	.0232	.0128				
9:00-----	.37	.0030	.0316	4:30-----	.07	.0006	.0072	1:00-----	2.48	.0202	.0236	Apr. 19			
11:00-----	.35	.0028	.0374	5:00-----	.09	.0007	.0076	:30-----	2.18	.0177	.0331	<i>a. m.</i>			
<i>p. m.</i>				:40-----	.09	.0007	.0081	2:00-----	1.93	.0157	.0414	11:00-----	.16	.0013	.0143
1:00-----	.32	.0026	.0428	6:00-----	.14	.0011	.0084	3:00-----	1.62	.0132	.0559	:20-----	.16	.0013	.0147
4:00-----	.29	.0021	.0503	:20-----	.16	.0013	.0088	4:00-----	1.59	.0113	.0681	12:00-----	.18	.0014	.0156
6:00-----	.25	.0020	.0547	7:00-----	.16	.0013	.0097	5:00-----	1.23	.0100	.0788				
12:00-----	.22	.0018	.0661	:20-----	.20	.0016	.0102	6:00-----	1.11	.0090	.0883	<i>p. m.</i>			
				12:00-----	.20	.0016	.0176	7:00-----	1.03	.0084	.0970	12:20-----	.25	.0020	.0162
Apr. 1				Apr. 8				8:30-----	.92	.0075	.1090	:40-----	.29	.0024	.0169
<i>a. m.</i>								10:00-----	.84	.0068	.1197	:30-----	.32	.0026	.0177
2:00-----	.20	.0016	.0034	<i>a. m.</i>				<i>p. m.</i>				:40-----	.43	.0035	.0192
7:00-----	.18	.0014	.0109	1:00-----	.20	.0016	.0016	12:30-----	.84	.0068	.1367	2:00-----	.46	.0037	.0210
<i>p. m.</i>				2:00-----	.18	.0014	.0031	1:30-----	.88	.0072	.1437	3:00-----	.49	.0040	.0249
2:00-----	.16	.0013	.0207	3:40-----	.18	.0014	.0054	3:00-----	.84	.0068	.1542	:30-----	.51	.0041	.0269
6:00-----	.14	.0011	.0255	4:00-----	.25	.0020	.0060	5:00-----	.77	.0062	.1672	5:00-----	.51	.0041	.0330
12:00-----	.14	.0011	.0321	:20-----	.32	.0026	.0068	6:30-----	.71	.0058	.1762	:20-----	.58	.0047	.0345
Apr. 2 <sup>1</sup>	.10	.0008	.0244	5:00-----	.37	.0030	.0087	8:30-----	.64	.0052	.1854	:40-----	.74	.0060	.0363
Apr. 3				:40-----	.40	.0032	.0108	10:30-----	.58	.0047	.1970	6:00-----	.92	.0075	.0386
<i>a. m.</i>				6:00-----	.37	.0030	.0118	12:00-----	.54	.0044	.2039	:30-----	1.15	.0093	.0428
9:40-----	.10	.0008	.0077	7:00-----	.35	.0028	.0147	Apr. 13				7:00-----	1.39	.0113	.0480
<i>p. m.</i>				8:00-----	.35	.0028	.0175	<i>a. m.</i>				:20-----	1.57	.0128	.0520
12:30-----	.10	.0008	.0100	9:00-----	.32	.0026	.0202	1:20-----	.51	.0041	.0056	:40-----	1.80	.0146	.0566
2:00-----	.10	.0008	.0113	10:00-----	.32	.0026	.0228	3:00-----	.49	.0040	.0126	8:00-----	2.23	.0181	.0621
:15-----	.10	.0008	.0114	:20-----	.29	.0024	.0253	6:00-----	.46	.0037	.0240	:20-----	2.74	.0223	.0688
:18-----	.16	.0013	.0122	11:00-----	.29	.0024	.0261	9:00-----	.43	.0035	.0348	:40-----	3.64	.0296	.0775
:19-----	.20	.0016	.0122	12:00-----	.32	.0026	.0277	11:00-----	.46	.0037	.0420	9:00-----	4.82	.0392	.0890
:20-----	.35	.0028	.0122	<i>p. m.</i>								:30-----	7.15	.0581	.1133
:25-----	.46	.0037	.0122	1:52-----	.32	.0026	.0327	<i>p. m.</i>				10:00-----	7.58	.0616	.1433
:27-----	.58	.0047	.0122	3:00-----	.29	.0024	.0355	3:00-----	.58	.0047	.0532	:20-----	8.47	.0688	.1650
:32-----	.77	.0062	.0122	5:00-----	.25	.0020	.0399	4:00-----	.58	.0047	.0579	:30-----	9.82	.0798	.1774
:40-----	.64	.0052	.0122	7:00-----	.22	.0018	.0437	8:00-----	.46	.0037	.0691	:40-----	11.8	.0959	.1921
:45-----	.49	.0040	.0126	9:00-----	.20	.0016	.0471	11:30-----	.37	.0030	.0810	:50-----	12.8	.104	.2088
3:00-----	.40	.0032	.0135	12:00-----	.18	.0014	.0516	12:00-----	.37	.0030	.0825	11:00-----	15.0	.122	.2277
:03-----	.37	.0030	.0136	Apr. 9				Apr. 14				:10-----	16.7	.136	.2492
:10-----	.51	.0041	.0140	<i>a. m.</i>				<i>a. m.</i>				:20-----	17.9	.146	.2727
:25-----	.61	.0050	.0151	8:00-----	.16	.0013	.0112	1:00-----	.35	.0028	.0029	:30-----	19.8	.161	.2984
4:00-----	.51	.0041	.0178	10:00-----	.14	.0011	.0136	5:00-----	.29	.0024	.0133	:40-----	22.9	.186	.3273
5:00-----	.40	.0032	.0214	<i>p. m.</i>				8:30-----	.27	.0022	.0214	:50-----	24.3	.198	.3594
6:00-----	.35	.0028	.0244	2:00-----	.12	.0010	.0176	10:00-----	.32	.0026	.0250	12:00-----	21.0	.171	.3903
:08-----	.35	.0028	.0248	6:00-----	.10	.0008	.0212	<i>p. m.</i>				Apr. 20			
:16-----	.43	.0035	.0252	12:00-----	.09	.0007	.0260	1:00-----	.32	.0026	.0328	<i>a. m.</i>			
:25-----	.51	.0041	.0258	Apr. 10				5:00-----	.27	.0022	.0424	12:10-----	17.9	.146	.0264
:40-----	.46	.0037	.0268	<i>a. m.</i>				12:00-----	.25	.0020	.0571	:20-----	15.0	.122	.0488
7:10-----	.51	.0041	.0287	12:00-----	.09	.0007	.0084	Apr. 15				:30-----	12.8	.104	.0677
:30-----	.54	.0044	.0301	<i>p. m.</i>				<i>a. m.</i>				:40-----	10.8	.0878	.0837
8:00-----	.51	.0041	.0322	12:00-----	.07	.0006	.0156	4:00-----	.25	.0020	.0080	:50-----	9.40	.0764	.0974
:40-----	.49	.0040	.0349	Apr. 11				9:00-----	.22	.0018	.0175	1:00-----	8.00	.0650	.1092
10:00-----	.43	.0035	.0400	<i>p. m.</i>				<i>p. m.</i>				:20-----	6.25	.0508	.1285
:30-----	.40	.0032	.0417	12:57-----	.07	.0006	.0078	1:00-----	.25	.0020	.0251	:40-----	5.69	.0462	.1447
12:00-----	.35	.0028	.0462	1:00-----	.07	.0006	.0083	7:30-----	.20	.0016	.0368	2:00-----	4.94	.0402	.1591
Apr. 4				:40-----	.10	.0008	.0086	9:00-----	.25	.0020	.0413	:30-----	4.12	.0335	.1776
<i>a. m.</i>				2:00-----	.12	.0010	.0095	11:00-----	.32	.0026	.0459	3:00-----	3.52	.0286	.1931
1:30-----	.32	.0026	.0040	:50-----	.16	.0013	.0098	12:00-----	.32	.0026	.0485	:40-----	3.12	.0254	.2066
3:00-----	.29	.0024	.0077	3:00-----	.22	.0018	.0098	Apr. 16				4:00-----	2.85	.0232	.2188
4:30-----	.27	.0022	.0111	:10-----	.29	.0024	.0101	<i>a. m.</i>				5:00-----	2.43	.0198	.2403
6:30-----	.25	.0020	.0153	:30-----	.43	.0035	.0106	5:30-----	.25	.0020	.0127	:15-----	2.38	.0193	.2452
8:30-----	.22	.0018	.0191	:40-----	.51	.0041	.0112	<i>p. m.</i>				:30-----	2.43	.0198	.2501
12:00-----	.20	.0016	.0251	:40-----	.61	.0050	.0120	1:00-----	.20	.0016	.0280	6:00-----	2.68	.0218	.2605
<i>p. m.</i>				4:00-----	.74	.0060	.0138	9:00-----	.18	.0014	.0400	:20-----	2.85	.0232	.2680
1:30-----	.18	.0014	.0274	:10-----	.84	.0068	.0149	12:00-----	.16	.0013	.0442	:40-----	3.24	.0263	.2763
3:00-----	.16	.0013	.0295									7:00-----	3.88	.0315	.2859

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Apr. 20				Apr. 27				May 24				May 30			
a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches
9:00	4.50	0.0366	0.3734	8:00	0.06	0.0004	0.0040	7:50	0.51	0.0041	0.0064	2:00	0.46	0.0037	0.0028
10:00	3.76	0.0306	0.3902	12:00	0.06	0.0004	0.0056	8:00	0.49	0.0040	0.0071	1:00	0.54	0.0044	0.0035
11:00	3.35	0.0272	0.4047	p. m.				9:00	0.43	0.0035	0.0096	12:00	0.64	0.0052	0.0043
12:00	3.12	0.0254	0.4310	8:00	0.04	0.0003	0.0088	10:00	0.43	0.0035	0.0108	1:00	0.68	0.0055	0.0057
	3.02	0.0245	0.4393	12:00	0.04	0.0003	0.0100	11:00	0.51	0.0041	0.0114	2:00	0.61	0.0050	0.0066
	3.07	0.0250	0.4558	Apr. 28				12:00	0.64	0.0052	0.0122	3:00	0.61	0.0050	0.0079
p. m.				a. m.				1:00	0.77	0.0062	0.0132	4:00	0.51	0.0041	0.0102
1:00	2.74	0.0223	0.4794	1:00	0.04	0.0003	0.0039	2:00	0.71	0.0058	0.0147	5:00	0.43	0.0035	0.0121
2:00	2.74	0.0223	0.4876	6:00	0.03	0.0002	0.0054	3:00	0.92	0.0075	0.0196	6:00	0.37	0.0030	0.0137
3:00	2.74	0.0223	0.4980	12:00	0.03	0.0002	0.0066	4:00	1.03	0.0084	0.0271	7:00	0.29	0.0024	0.0151
4:00	2.53	0.0206	0.5337	Apr. 29 <sup>1</sup>				5:00	1.27	0.0103	0.0287	8:00	0.25	0.0020	0.0173
5:00	2.28	0.0185	0.5533	1:00	0.03	0.0002	0.0048	6:00	1.31	0.0106	0.0305	9:00	0.20	0.0016	0.0191
6:00	2.13	0.0173	0.5712	Apr. 30 <sup>1</sup>				7:00	1.52	0.0124	0.0324	10:00	0.25	0.0020	0.0207
7:00	1.88	0.0153	0.5875	1:00	0.03	0.0002	0.0048	8:00				11:00	0.32	0.0026	0.0240
8:00	1.70	0.0138	0.6020	May 1 <sup>1</sup>				9:00				12:00	0.29	0.0024	0.0248
9:00	1.62	0.0132	0.6200	1:00	0.03	0.0002	0.0048	10:00				1:00	0.32	0.0026	0.0273
10:00	1.70	0.0138	0.6312	May 2				11:00				2:00	0.35	0.0028	0.0287
11:00	1.52	0.0124	0.6489	a. m.				12:00				3:00	0.35	0.0028	0.0300
12:00	1.39	0.0113	0.6648	5:00	0.03	0.0002	0.0010					4:00	0.27	0.0022	0.0323
	1.31	0.0106	0.6721	p. m.				4:00	0.02	0.0002	0.0032	5:00	0.25	0.0020	0.0344
Apr. 21				12:00	0.03	0.0002	0.0048	5:00	0.17	0.0010	0.0059	6:00	0.25	0.0020	0.0364
a. m.				May 3				6:00	0.40	0.0052	0.0089	7:00	0.10	0.0008	0.0386
1:30	1.19	0.0097	0.0153	a. m.				7:00	0.32	0.0028	0.0096	8:00	0.35	0.0028	0.0381
2:30	1.11	0.0090	0.0247	6:00	0.03	0.0002	0.0012	9:00	0.40	0.0052	0.0105	9:00	0.35	0.0028	0.0390
3:30	1.03	0.0084	0.0378	12:00	0.02	0.0002	0.0024	10:00	0.77	0.0077	0.0126	10:00	0.43	0.0035	0.0411
4:30	0.95	0.0077	0.0498	p. m.				11:00	0.64	0.0052	0.0141	11:00	0.58	0.0047	0.0425
5:30	0.88	0.0072	0.0611	a. m.				12:00	0.77	0.0077	0.0157	12:00	0.71	0.0058	0.0452
6:30	0.80	0.0065	0.0747	6:00	0.03	0.0002	0.0012					1:00	0.80	0.0065	0.0483
7:30	0.74	0.0060	0.0873	12:00	0.02	0.0002	0.0024	1:00	0.83	0.0083	0.0163	2:00	0.95	0.0077	0.0507
p. m.				p. m.								3:00	1.11	0.0090	0.0563
1:30	0.64	0.0052	0.1013	12:00	0.02	0.0002	0.0048	4:00	1.11	0.0090	0.0177	4:00	1.11	0.0090	0.0593
2:30	0.58	0.0047	0.1138	May 4				5:00	1.07	0.0087	0.0188	5:00	1.07	0.0087	0.0633
3:30	0.51	0.0041	0.1270	a. m.				6:00	1.07	0.0087	0.0203	6:00	1.03	0.0084	0.0682
4:30	0.49	0.0040	0.1390	8:00	0.02	0.0002	0.0016	7:00	0.95	0.0077	0.0219	7:00	1.03	0.0084	0.0740
5:30	0.49	0.0040	0.1470	p. m.				8:00	0.83	0.0083	0.0234	8:00	0.95	0.0077	0.0783
6:30				12:00	0.02	0.0002	0.0048	9:00	0.77	0.0077	0.0250	9:00	0.80	0.0065	0.0823
7:30				May 5 <sup>1</sup>				10:00	0.64	0.0052	0.0266	10:00	0.71	0.0058	0.0894
8:30				a. m.				11:00	0.58	0.0047	0.0281	11:00	0.64	0.0052	0.0953
9:30				8:00	0.02	0.0002	0.0016	12:00	0.51	0.0041	0.0296				
10:30				p. m.				9:00	0.46	0.0037	0.0311				
11:30				12:00	0.01	0.0001	0.0040	10:00	0.43	0.0035	0.0326				
12:30				12:00	0.01	0.0001	0.0044	11:00	0.40	0.0032	0.0341				
p. m.				May 6				12:00	0.35	0.0028	0.0356				
1:00	0.29	0.0024	0.0473	6:30	0.01	0.0001	0.0019	1:00	0.37	0.0030	0.0371				
2:00	0.27	0.0022	0.0531	7:30	0.01	0.0001	0.0022	2:00	0.32	0.0026	0.0386				
3:00	0.25	0.0020	0.0668	8:30	0.01	0.0001	0.0025	3:00	0.27	0.0022	0.0401				
Apr. 22				9:30	0.01	0.0001	0.0028	4:00	0.22	0.0018	0.0416				
a. m.				10:30	0.01	0.0001	0.0031	5:00	0.20	0.0016	0.0431				
1:30	0.46	0.0037	0.0057	11:30	0.01	0.0001	0.0034	6:00	0.18	0.0014	0.0445				
2:30	0.43	0.0035	0.0135	12:30	0.01	0.0001	0.0037	7:00	0.18	0.0014	0.0459				
3:30	0.40	0.0032	0.0203	May 7				8:00	0.18	0.0014	0.0473				
4:30	0.57	0.0030	0.0337	a. m.				9:00	0.18	0.0014	0.0487				
5:30	0.50	0.0028	0.0395	1:30	0.03	0.0002	0.0005	10:00	0.16	0.0013	0.0501				
6:30	0.35	0.0028	0.0395	2:30	0.02	0.0002	0.0020	11:00	0.12	0.0010	0.0515				
p. m.				3:30	0.01	0.0001	0.0019	12:00	0.12	0.0010	0.0529				
1:00	0.29	0.0024	0.0473	4:30	0.01	0.0001	0.0022					1:00	0.18	0.0014	0.0360
2:00	0.27	0.0022	0.0531	5:30	0.01	0.0001	0.0025					2:00	0.16	0.0013	0.0388
3:00	0.25	0.0020	0.0668	6:30	0.01	0.0001	0.0028					3:00	0.14	0.0011	0.0412
Apr. 23				7:30	0.01	0.0001	0.0031					4:00	0.12	0.0010	0.0445
a. m.				8:30	0.01	0.0001	0.0034					5:00	0.10	0.0008	0.0481
5:00	0.25	0.0020	0.0100	9:30	0.01	0.0001	0.0037					6:00			
11:00	0.22	0.0018	0.0214	10:30	0.01	0.0001	0.0040					7:00			
p. m.				11:30	0.01	0.0001	0.0043					8:00			
2:00	0.20	0.0016	0.0265	12:30	0.01	0.0001	0.0046					9:00			
3:00	0.18	0.0014	0.0355	May 8				1:00	0.18	0.0014	0.0473				
4:00	0.18	0.0014	0.0411	a. m.				2:00	0.16	0.0013	0.0487				
Apr. 24				1:30	0.03	0.0002	0.0005	3:00	0.14	0.0011	0.0501				
a. m.				2:30	0.02	0.0002	0.0020	4:00	0.12	0.0010	0.0515				
8:00	0.16	0.0013	0.0112	3:30	0.01	0.0001	0.0022	5:00	0.10	0.0008	0.0529				
p. m.				4:30	0.01	0.0001	0.0025	6:00	0.09	0.0007	0.0543				
5:00	0.12	0.0010	0.0211	5:30	0.01	0.0001	0.0028	7:00	0.07	0.0006	0.0557				
12:00	0.12	0.0010	0.0261	6:30	0.01	0.0001	0.0031	8:00	0.06	0.0005	0.0571				
Apr. 25				7:30	0.01	0.0001	0.0034	9:00	0.05	0.0004	0.0585				
a. m.				8:30	0.01	0.0001	0.0037	10:00	0.04	0.0003	0.0599				
9:00	0.12	0.0010	0.0090	9:30	0.01	0.0001	0.0040	11:00	0.03	0.0002	0.0613				
p. m.				10:30	0.01	0.0001	0.0043	12:00	0.02	0.0001	0.0627				
1:00	0.10	0.0008	0.0126	May 9				1:00	0.02	0.0001	0.0641				
6:00	0.09	0.0007	0.0166	a. m.				2:00	0.01	0.0001	0.0655				
12:00	0.09	0.0007	0.0208	1:30	0.03	0.0002	0.0005	3:00	0.01	0.0001	0.0669				
Apr. 26				2:30	0.02	0.0002	0.0020	4:00	0.01	0.0001	0.0683				
a. m.				3:30	0.01	0.0001	0.0022	5:00	0.01	0.0001	0.0697				
10:00	0.09	0.0007	0.0007	4:30	0.01	0.0001	0.0025	6:00	0.01	0.0001	0.0711				
p. m.				5:30	0.01	0.0001	0.0028	7:00	0.01	0.0001	0.0725				



TABLE 22.—Run-off from watershed 10, 1940—Continued

June 8				June 10				June 11				June 18			
Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
2:25	0.01	0.0001	0.0014	1:00	0.06	0.0004	0.0076	2:40	9.40	0.0764	0.1814	8:00	0.06	0.0004	0.0032
30	.01	.0001		15	.06	.0004	.0077	50	6.18	.0502	.1920	9:00	.09	.0007	.0036
40	.06	.0004	.0015	20	.10	.0008		3:00	5.41	.0440	.1999	9:40	.12	.0010	.0039
50	.09	.0007	.0016	21	.14	.0011		10	4.68	.0380	.2067	1:20	.16	.0013	.0043
3:00	.12	.0010	.0018	22	.20	.0016		20	4.12	.0335	.2127	1:40	.20	.0016	.0048
10	.18	.0014	.0020	25	.25	.0020	.0078	40	3.24	.0263	.2227	10:00	.18	.0014	.0053
15	.22	.0018	.0021	27	.29	.0024	.0079	4:00	2.68	.0218	.2307	1:20	.16	.0013	.0058
25	.18	.0014	.0024	28	.40	.0032		20	2.28	.0185	.2474	11:20	.16	.0013	.0071
30	.14	.0011	.0025	29	.58	.0047	.0080	40	1.98	.0161	.2532	3:00	.22	.0018	.0074
40	.10	.0008	.0027	30	.74	.0060	.0081	5:00	1.75	.0142	.2583	45	.32	.0026	.0080
55	.10	.0008	.0029	31	1.11	.0090	.0082	30	1.52	.0124	.2650	12:00	.27	.0022	.0086
4:00	.14	.0011	.0031	32	1.62	.0132	.0084	6:00	1.35	.0110	.2609				
01	.29	.0024		33	1.93	.0157	.0086	7:00	1.11	.0090	.2709	<i>p. m.</i>			
02	.37	.0030		34	2.33	.0189	.0089	8:00	.99	.0080	.2794	12:20	.20	.0016	.0092
06	.49	.0040	.0033	36	3.41	.0277	.0097	9:20	.84	.0068	.2893	1:00	.18	.0014	.0102
08	.61	.0050	.0034	37	4.88	.0397	.0103	10:30	.77	.0062	.2969	2:00	.14	.0011	.0114
09	.71	.0058	.0035	38	6.39	.0519	.0111	11:00	.74	.0060	.3000	3:20	.10	.0008	.0127
10	.92	.0075	.0036	40	8.90	.0723	.0131	12:00	.68	.0055	.3058	3:00	.12	.0010	.0129
12	1.19	.0097	.0039	42	11.3	.0918	.0158					35	.16	.0013	.0130
13	1.27	.0103	.0041	46	13.9	.113	.0227	<i>a. m.</i>				40	.27	.0022	.0131
22	1.35	.0110	.0057	50	12.3	.100	.0298	1:20	.64	.0052	.0071	42	.35	.0028	.0132
25	1.27	.0103	.0062	2:00	9.82	.0798	.0448	3:40	.58	.0047	.0185	43	.43	.0035	.0133
30	1.07	.0087	.0070	05	9.40	.0764	.0513	6:20	.51	.0041	.0302	44	.61	.0050	.0134
40	.77	.0062	.0082	10	9.82	.0798	.0578	8:00	.49	.0040	.0370	45	.84	.0068	.0135
45	.64	.0052	.0087	20	12.3	.100	.0728	10:00	.43	.0035	.0446	46	1.03	.0084	.0136
50	.51	.0041	.0091	30	9.82	.0798	.0878					47	1.44	.0117	.0138
5:00	.37	.0030	.0097	35	8.47	.0688	.0940					48	2.58	.0210	.0141
20	.29	.0024	.0106	40	7.58	.0616	.0994					49	4.31	.0350	.0146
40	.25	.0020	.0113	50	5.15	.0419	.1081	<i>p. m.</i>				50	6.68	.0543	.0154
6:10	.20	.0016	.0122	3:00	4.31	.0350	.1145	12:20	.37	.0030	.0521	51	10.8	.0878	.0166
30	.16	.0013	.0127	20	3.24	.0263	.1247	25	.49	.0040	.0524	52	19.2	.156	.0187
7:00	.12	.0010	.0133	40	2.63	.0214	.1326	45	.49	.0040	.0537	53	23.6	.192	.0217
8:00	.09	.0007	.0142	4:00	2.18	.0177	.1391	1:00	.46	.0037	.0547	55	25.5	.207	.0283
9:00	.07	.0006	.0148	30	1.75	.0142	.1471	2:20	.37	.0030	.0592	4:00	28.2	.229	.0464
10:30	.06	.0004	.0156	5:00	1.44	.0117	.1536	3:40	.32	.0026	.0629	04	27.6	.224	.0616
12:00	.06	.0004	.0162	30	1.23	.0100	.1591	5:00	.29	.0024	.0662	08	31.2	.254	.0776
				6:00	1.07	.0087	.1638	6:30	.27	.0022	.0697	10	38.1	.310	.0869
				40	.92	.0075	.1692	9:00	.25	.0020	.0750	13	45.3	.368	.1039
				7:00	.84	.0068	.1716	05	.35	.0028	.0752	16	42.9	.349	.1218
				40	.84	.0068	.1761	20	.46	.0037	.0760	20	36.5	.297	.1434
				8:10	.80	.0065	.1794	10:00	.37	.0030	.0782	23	31.9	.259	.1573
				9:10	.71	.0058	.1856	30	.43	.0035	.0799	26	26.8	.218	.1693
				10:00	.61	.0050	.1901	12:00	.35	.0028	.0846	29	23.6	.192	.1796
				11:00	.54	.0044	.1948					32	21.0	.171	.1887
				12:00	.49	.0040	.1990					35	18.5	.150	.1967
								<i>a. m.</i>				40	15.0	.122	.2080
								2:00	.32	.0026	.0054	45	12.8	.104	.2174
								3:30	.29	.0024	.0092	50	10.8	.0878	.2254
								6:30	.27	.0022	.0161	55	9.82	.0798	.2324
								9:00	.25	.0020	.0214	5:00	8.47	.0688	.2386
								11:00	.22	.0018	.0252	20	5.15	.0419	.2570
												40	3.82	.0310	.2692
								<i>p. m.</i>				6:00	3.02	.0245	.2785
								12:30	.20	.0016	.0278	20	2.48	.0202	.2859
								3:00	.16	.0013	.0316	40	2.13	.0173	.2921
								5:30	.14	.0011	.0346	7:00	1.88	.0153	.2975
								12:00	.12	.0010	.0411	30	1.62	.0132	.3046
												8:00	1.39	.0113	.3107
												30	1.23	.0100	.3160
								<i>a. m.</i>				9:00	1.11	.0090	.3208
								8:00	.12	.0010	.0080	10:00	.95	.0077	.3292
								<i>p. m.</i>				40	.84	.0068	.3340
								2:00	.09	.0007	.0128	11:30	.77	.0062	.3394
								12:00	.09	.0007	.0198	12:00	.74	.0060	.3425
												<i>a. m.</i>			
								<i>a. m.</i>				1:40	.64	.0052	.0093
								12:00	.09	.0007	.0198	3:10	.58	.0047	.0167
								<i>a. m.</i>				5:00	.51	.0041	.0248
								10:00	.09	.0007	.0070	7:00	.46	.0037	.0326
								<i>p. m.</i>				9:30	.40	.0032	.0414
								12:30	.07	.0006	.0085	11:30	.35	.0028	.0474
								6:00	.06	.0004	.0113	<i>p. m.</i>			
								8:00	.06	.0004	.0121	1:00	.29	.0024	.0513
								9:00	.07	.0006	.0126	3:00	.25	.0020	.0557
								12:00	.07	.0006	.0144	4:30	.22	.0018	.0586
												6:30	.20	.0016	.0620
								<i>a. m.</i>				12:00	.18	.0014	.0703
								June 16				<i>a. m.</i>			
								12:00	.06	.0004	.0060	2:00	.18	.0014	.0028
								<i>p. m.</i>				7:00	.16	.0013	.0093
								12:00	.06	.0004	.0108	10:00	.14	.0011	.0129
								June 17	.06	.0004	.0096	12:00	.12	.0010	.0151
								<i>a. m.</i>				<i>p. m.</i>			
								June 18				2:30	.10	.0008	.0174
								7:46	.06	.0004	.0031	7:00	.09	.0007	.0206
								50	.06	.0004		12:00	.09	.0007	.0241
															</

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 21				June 25				June 28				July 1			
a. m.				p. m.				p. m.				a. m.			
9:00	0.09	0.0007	0.0063	4:45	0.35	0.0028	0.0115	12:40	1.66	0.0135	0.2609	9:00	0.58	0.0047	0.0972
				4:50	0.46	0.0037	0.0117	1:00	1.48	0.0120	0.2652	10:20	0.51	0.0041	0.1031
				5:00	0.64	0.0052	0.0126	1:30	1.27	0.0103	0.2708	11:40	0.46	0.0037	0.1083
p. m.				5:05	0.80	0.0065	0.0131	2:00	1.11	0.0090	0.2756				
1:00	0.07	0.0006	0.0091	5:10	1.07	0.0087	0.0137	3:00	0.92	0.0075	0.2839	p. m.			
5:00	0.06	0.0004	0.0111	5:15	1.23	0.0100	0.0150	4:00	0.77	0.0062	0.2907	1:00	0.40	0.0032	0.1130
7:00	0.06	0.0004	0.0119	5:30	1.03	0.0084	0.0168	5:20	0.64	0.0052	0.2983	3:00	0.35	0.0028	0.1190
12:00	0.07	0.0006	0.0144	5:40	0.84	0.0068	0.0181	6:40	0.58	0.0047	0.3050	5:00	0.32	0.0026	0.1244
				5:50	0.71	0.0058	0.0192	8:30	0.51	0.0041	0.3131	8:00	0.29	0.0024	0.1319
June 22				6:00	0.58	0.0047	0.0201	10:00	0.49	0.0040	0.3191	12:00	0.29	0.0024	0.1415
a. m.				6:20	0.46	0.0037	0.0215	12:00	0.46	0.0037	0.3269				
9:00	0.06	0.0004	0.0045	6:40	0.35	0.0028	0.0226								
				7:00	0.35	0.0028	0.0235	June 29				July 2			
p. m.				7:10	0.35	0.0028	0.0240	a. m.				a. m.			
12:00	0.06	0.0004	0.0105	7:14	0.37	0.0030	0.0242	2:30	0.40	0.0032	0.0085	5:00	0.27	0.0022	0.0115
				7:40	0.40	0.0032	0.0255	4:30	0.37	0.0030	0.0147	8:00	0.25	0.0020	0.0178
June 23				8:40	0.35	0.0028	0.0285	6:30	0.35	0.0028	0.0205	10:30	0.22	0.0018	0.0226
a. m.				9:30	0.29	0.0024	0.0307	8:30	0.32	0.0026	0.0259	12:00	0.20	0.0016	0.0251
10:00	0.06	0.0004	0.0040	10:00	0.27	0.0022	0.0319	10:00	0.29	0.0024	0.0297				
				11:20	0.25	0.0020	0.0347					p. m.			
p. m.				12:00	0.25	0.0020	0.0360					2:00	0.20	0.0016	0.0283
1:00	0.04	0.0003	0.0049	June 26				12:30	0.27	0.0022	0.0355	3:30	0.18	0.0014	0.0306
4:00	0.03	0.0002	0.0058	a. m.				1:40	0.35	0.0028	0.0384	5:00	0.16	0.0013	0.0326
8:15	0.04	0.0003	0.0067	12:40	0.22	0.0018	0.0013	2:30	0.37	0.0030	0.0408	12:00	0.16	0.0013	0.0417
2:00	0.04	0.0003	0.0068	2:30	0.20	0.0016	0.0044	4:30	0.29	0.0024	0.0462				
2:22	0.07	0.0006		4:30	0.18	0.0014	0.0074	6:30	0.25	0.0020	0.0506	July 3			
2:40	0.10	0.0008		7:00	0.16	0.0013	0.0109	9:00	0.25	0.0020	0.0556	a. m.			
2:50	0.14	0.0011	0.0068	10:00	0.14	0.0011	0.0145	12:00	0.22	0.0018	0.0613	8:00	0.16	0.0013	0.0104
2:59	0.22	0.0018		12:00	0.12	0.0010	0.0165					9:30	0.14	0.0011	0.0122
3:00	0.49	0.0040						June 30				12:00	0.12	0.0010	0.0149
3:10	0.74	0.0060	0.0069	p. m.				a. m.							
3:20	0.99	0.0080	0.0070	5:00	0.10	0.0008	0.0210	5:00	0.20	0.0016	0.0085	p. m.			
3:30	1.48	0.0120	0.0072	5:00	0.09	0.0007	0.0259	7:00	0.20	0.0016	0.0117	1:00	0.12	0.0010	0.0159
3:40	2.33	0.0189	0.0075	June 27				10:00	0.18	0.0014	0.0162	5:00	0.10	0.0008	0.0195
3:50	3.12	0.0254	0.0079	a. m.								12:00	0.10	0.0008	0.0251
3:55	4.25	0.0345	0.0084	10:00	0.09	0.0007	0.0070	p. m.							
4:00	5.48	0.0445	0.0097	4:00	0.06	0.0004	0.0100	2:00	0.14	0.0011	0.0214	July 4			
4:10	6.32	0.0514	0.0113	12:00	0.06	0.0004	0.0132	4:03	0.14	0.0011	0.0237	a. m.			
4:15	5.62	0.0457	0.0153					5:00	0.16	0.0013	0.0248	9:00	0.10	0.0008	0.0072
4:20	4.12	0.0335	0.0190	June 28				5:30	0.16	0.0013	0.0255	11:00	0.09	0.0007	0.0088
4:25	2.90	0.0236	0.0214	a. m.				6:00	0.18	0.0014	0.0268				
4:30	2.90	0.0236	0.0263	7:43	0.06	0.0004	0.0031	6:30	0.18	0.0014	0.0269	p. m.			
4:35	3.70	0.0301	0.0294	7:44	0.12	0.0010	0.0032	7:00	0.22	0.0022	0.0277	1:00	0.09	0.0007	0.0102
4:40	4.18	0.0340	0.0321	7:45	0.16	0.0010	0.0032	7:30	0.22	0.0022	0.0277	5:00	0.07	0.0006	0.0126
4:45	3.94	0.0320	0.0376	7:46	0.20	0.0016	0.0034	8:00	0.29	0.0024	0.0291	10:00	0.09	0.0007	0.0161
4:50	3.24	0.0263	0.0425	7:47	0.35	0.0028	0.0035	8:30	0.37	0.0030	0.0302	12:00	0.09	0.0007	0.0175
4:55	2.43	0.0198	0.0475	7:48	0.46	0.0037	0.0035	9:00	0.40	0.0032	0.0307	July 5			
5:00	2.13	0.0173	0.0497	7:50	0.58	0.0047	0.0037	9:30	0.40	0.0032	0.0322	a. m.			
5:05	1.57	0.0128	0.0547	7:51	0.74	0.0060	0.0038	10:00	0.27	0.0022	0.0346	4:00	0.09	0.0007	0.0028
5:10	1.27	0.0103	0.0586	7:52	0.99	0.0080	0.0039	10:30	0.27	0.0022	0.0353	9:00	0.07	0.0006	0.0058
5:15	1.03	0.0084	0.0617	7:53	1.31	0.0106	0.0041	11:00	0.27	0.0022	0.0359	12:00	0.06	0.0004	0.0073
5:20	0.77	0.0062	0.0654	7:54	1.80	0.0146	0.0045	11:30	0.27	0.0022	0.0364				
5:25	0.61	0.0050	0.0682	7:55	2.38	0.0193	0.0051	12:00	0.27	0.0022	0.0368	p. m.			
June 24				7:56	3.29	0.0267	0.0066					12:00	0.06	0.0004	0.0121
a. m.				7:57	4.31	0.0350	0.0097					July 6			
1:00	0.46	0.0037	0.0044	7:58	4.43	0.0360	0.0115					a. m.			
2:00	0.37	0.0030	0.0078	7:59	4.25	0.0345	0.0133					9:00	0.06	0.0004	0.0036
4:00	0.29	0.0024	0.0132	8:00	4.37	0.0355	0.0186					11:30	0.04	0.0003	0.0043
6:30	0.25	0.0020	0.0187	8:01	3.82	0.0310	0.0219	July 1							
7:30	0.22	0.0018	0.0206	8:02	2.96	0.0241	0.0274	a. m.				p. m.			
9:30	0.20	0.0016	0.0240	8:03	3.24	0.0263	0.0333	12:04	2.96	0.0241	0.0008	2:00	0.03	0.0002	0.0051
				8:04	3.18	0.0258	0.0342					12:00	0.03	0.0002	0.0071
p. m.				8:05	3.46	0.0281	0.0351					July 7			
1:30	0.20	0.0016	0.0304	8:06	4.62	0.0376	0.0378					p. m.			
3:30	0.16	0.0013	0.0332	8:07	8.47	0.0688	0.0387					1:00	0.03	0.0002	0.0026
6:00	0.12	0.0010	0.0360	8:08	8.90	0.0764	0.0411					4:00	0.02	0.0002	0.0032
11:00	0.10	0.0008	0.0405	8:09	13.4	0.109	0.0427					12:00	0.02	0.0002	0.0048
12:00	0.10	0.0008	0.0413	8:10	15.6	0.127	0.0525					July 8			
June 25				8:11	15.0	0.122	0.0713					a. m.			
a. m.				8:12	15.6	0.127	0.0899					11:00	0.02	0.0002	0.0022
3:00	0.10	0.0008	0.0024	8:13	17.9	0.146	0.1012					p. m.			
8:00	0.09	0.0007	0.0059	8:14	17.9	0.146	0.1085					4:00	0.01	0.0001	0.0027
10:00	0.09	0.0007	0.0073	8:15	15.0	0.122	0.1476					12:00	0.01	0.0001	0.0035
12:00	0.07	0.0006	0.0087	8:16	13.4	0.109	0.1571					July 9 <sup>1</sup>			
				8:17	11.8	0.0959	0.1656					July 10 <sup>1</sup>			
p. m.				8:18	10.3	0.0837	0.1806								
2:45	0.06	0.0004	0.0101	8:19	8.90	0.0723	0.1910								
3:30	0.06	0.0004	0.0104	8:20	6.46	0.0525	0.2035								
4:00	0.07	0.0006	0.0107	8:21	5.15	0.0419	0.2192								
4:15	0.09	0.0007	0.0109	8:22	4.50	0.0366	0.2257								
4:30	0.12	0.0010	0.0111	8:23	3.29	0.0267	0.2362								
4:45	0.16	0.0013	0.0112	8:24	2.58	0.0210	0.2442								
4:50	0.20	0.0016	0.0113	8:25	2.13	0.0173	0.2506								
4:55	0.25	0.0020	0.0114												
5:00	0.29	0.0024	0.0114												

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
July 11	Second-foot	Inches per hour	Inches	July 22	Second-foot	Inches per hour	Inches	July 23	Second-foot	Inches per hour	Inches	July 26	Second-foot	Inches per hour	Inches
p. m.				p. m.				p. m.				p. m.			
3:00-----	0.01	0.0001	0.0015	4:20-----	0.06	0.0004	0.0016	8:00-----	12.3	0.100	0.0397	6:20-----	0.06	0.0004	0.0006
:40-----	.03	.0002		:30-----	.03	.0002		:01-----	11.3	.0918	.0413	:50-----	.03	.0002	.0010
:10-----	.07	.0006	.0016	:40-----	.02	.0002	.0017	:03-----	10.3	.0837	.0442	7:10-----	.03	.0002	.0015
:16-----	.12	.0010	.0017	5:00-----	.01	.0001		:05-----	9.40	.0764	.0469	:30-----	.02	.0002	.0021
:22-----	.18	.0014	.0018	:15-----	.01	.0001		:07-----	8.47	.0688	.0493	:40-----	.03	.0002	
:28-----	.25	.0020	.0020	:20-----	.04	.0003		:08-----	7.58	.0616	.0504	:50-----	.07	.0006	.0028
:40-----	.35	.0028	.0025	:30-----	.04	.0003	.0018	:10-----	6.70	.0545	.0523	8:00-----	.09	.0007	.0036
:46-----	.27	.0022	.0027	:36-----	.07	.0006		:12-----	6.53	.0531	.0541	:20-----	.06	.0004	.0046
:52-----	.20	.0016	.0029	:56-----	.07	.0006	.0020	:16-----	6.68	.0543	.0577	9:00-----	.06	.0004	.0059
4:00-----	.14	.0011	.0032	6:00-----	.06	.0004		:20-----	6.70	.0545	.0613	:30-----	.03	.0002	.0073
:10-----	.12	.0010	.0034	:20-----	.03	.0002	.0021	:24-----	7.58	.0616	.0652	10:00-----	.03	.0002	.0088
:16-----	.09	.0007	.0035	:40-----	.01	.0001	.0022	:28-----	7.58	.0616	.0693	11:00-----	.02	.0002	.0105
:28-----	.09	.0007	.0036	7:20-----	T	T		:32-----	6.70	.0545	.0732	12:00-----	.01	.0001	.0123
:40-----	.06	.0004	.0037	8:30-----	0	0		:36-----	6.68	.0543	.0768				
:50-----	.12	.0010	.0038	:34-----	.01	.0001		:40-----	6.53	.0531	.0804				
5:10-----	.12	.0010	.0041	9:00-----	T	T		:46-----	6.25	.0508	.0856				
:12-----	.14	.0011		:20-----	.01	.0001		:48-----	5.96	.0484	.0872				
:27-----	.14	.0011	.0044	:40-----	.01	.0001	.0023	:50-----	5.62	.0457	.0888				
:30-----	.16	.0013	.0045	12:00-----	0	0	.0023	:52-----	5.28	.0429	.0903				
:32-----	.25	.0020	.0046					:54-----	4.94	.0402	.0917				
:42-----	.35	.0028	.0050					:56-----	4.62	.0376	.0930				
:46-----	.46	.0037	.0052					:58-----	4.31	.0350	.0942				
:52-----	.54	.0044	.0056					9:00-----	3.88	.0315	.0953				
6:00-----	.54	.0044	.0068					:04-----	3.52	.0286	.0973				
:10-----	.46	.0037	.0075					:08-----	3.07	.0250	.0991				
:20-----	.35	.0028	.0081					:12-----	2.63	.0214	.1006				
:30-----	.29	.0024	.0085					:16-----	2.33	.0189	.1019				
:40-----	.35	.0028	.0089					:20-----	2.03	.0165	.1031				
:50-----	.35	.0028	.0094					:24-----	1.75	.0142	.1041				
7:05-----	.29	.0024	.0100					:28-----	1.57	.0128	.1050				
:20-----	.25	.0020	.0105					:32-----	1.39	.0113	.1058				
:30-----	.20	.0016	.0108					:36-----	1.23	.0100	.1065				
:50-----	.16	.0013	.0113					:40-----	1.07	.0087	.1071				
8:10-----	.12	.0010	.0117					:44-----	.95	.0077	.1076				
9:00-----	.09	.0007	.0125					:48-----	.84	.0068	.1081				
10:40-----	.06	.0004	.0135					10:00-----	.71	.0058	.1094				
12:00-----	.06	.0004	.0140					:05-----	.64	.0052	.1099				
								:20-----	.51	.0041	.1102				
								:40-----	.40	.0032	.1114				
								11:10-----	.29	.0024	.1128				
								12:00-----	.20	.0016	.1145				
July 12								July 24							
a. m.								a. m.							
1:00-----	.04	.0003	.0006					1:00-----	.16	.0013	.0015				
2:00-----	.04	.0003	.0009					2:00-----	.12	.0010	.0027				
4:00-----	.03	.0002	.0013					4:00-----	.09	.0007	.0043				
7:00-----	.03	.0002	.0019					5:30-----	.07	.0006	.0053				
9:00-----	.02	.0002	.0023					7:00-----	.06	.0004	.0061				
								10:00-----	.04	.0003	.0070				
								12:00-----	.03	.0002	.0076				
p. m.															
3:00-----	.02	.0002	.0035												
7:00-----	.02	.0002	.0043												
12:00-----	.02	.0002	.0053												
July 13 <sup>1</sup>	.01	.0001	.0024												
July 14 <sup>1</sup>	.01	.0001	.0024												
July 15															
a. m.															
7:00-----	.01	.0001	.0007												
11:00-----	T	T	.0010												
p. m.															
12:00-----	T	T	.0015												
July 16															
p. m.															
1:00-----	T	T	.0005												
6:00-----	0	0	.0006												
12:00-----	0	0	.0006												
July 17-21	0	0	0												
July 22															
a. m.															
10:00-----	0	0	0												
11:00-----	T	T													
p. m.															
2:40-----	T	T													
3:00-----	.02	.0002	.0001												
:10-----	.06	.0004													
:20-----	.09	.0007	.0002												
:25-----	.12	.0010	.0003												
:30-----	.16	.0013	.0004												
:40-----	.22	.0018	.0007												
:45-----	.25	.0020	.0009												
:55-----	.20	.0016	.0012												
4:00-----	.16	.0013	.0013												
:04-----	.12	.0010	.0014												
:10-----	.09	.0007	.0015												

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Aug. 18				Aug. 27				Aug. 27				Aug. 29			
p. m.				a. m.				p. m.				p. m.			
7:02	0.25	0.0020	0.0036	10:08	3.52	0.0286	0.0420	8:48	5.82	0.0473	0.1263	9:00	0.46	0.0037	0.0153
:05	0.20	0.0016	0.0037	:12	4.25	0.0345	0.0441	:52	5.41	0.0440	0.1293	:20	0.40	0.0032	0.0164
:08	0.16	0.0013	0.0038	:14	4.62	0.0376	0.0453	:56	4.88	0.0397	0.1321	:40	0.35	0.0028	0.0174
:14	0.12	0.0010	0.0039	:16	4.88	0.0397	0.0466	9:00	4.37	0.0355	0.1346	10:00	0.29	0.0024	0.0183
:20	0.09	0.0007	0.0040	:18	5.28	0.0429	0.0480	:04	3.88	0.0315	0.1368	:20	0.25	0.0020	0.0190
:28	0.06	0.0004	0.0041	:20	5.48	0.0445	0.0494	:06	3.70	0.0301	0.1378	:40	0.22	0.0018	0.0196
:40	0.03	0.0002	0.0042	:26	5.28	0.0429	0.0538	:08	3.41	0.0277	0.1388	11:00	0.20	0.0016	0.0202
8:00	0.01	0.0001		:30	4.94	0.0402	0.0566	:12	3.07	0.0250	0.1406	:40	0.16	0.0013	0.0212
:40	T	T		:34	4.62	0.0376	0.0592	:16	2.74	0.0223	0.1422	12:00	0.16	0.0013	0.0216
12:00	T	T	0.0042	:36	4.25	0.0345	0.0604	:20	2.53	0.0206	0.1436				
Aug. 19-25	T	T	0.0051	:40	3.88	0.0315	0.0626	:24	2.23	0.0181	0.1449	Aug. 30			
Aug. 26				:45	3.41	0.0277	0.0650	:28	2.03	0.0165	0.1461	a. m.			
p. m.				:48	3.07	0.0250	0.0663	:32	1.84	0.0150	0.1472	1:00	0.12	0.0010	0.0011
11:50	0	0	0	:52	2.63	0.0214	0.0679	:36	1.66	0.0135	0.1481	2:00	0.10	0.0008	0.0020
:54	0.01	0.0001		:54	2.43	0.0198	0.0686	:40	1.48	0.0120	0.1490	6:20	0.10	0.0008	0.0054
:55	0.03	0.0002		:56	2.23	0.0181	0.0692	:44	1.31	0.0106	0.1498	:30	0.12	0.0010	0.0056
:56	0.06	0.0004		11:00	1.93	0.0157	0.0703	:50	1.15	0.0093	0.1508	:40	0.16	0.0013	0.0058
12:00	0.09	0.0007	0.0001	:04	1.66	0.0135	0.0713	:56	0.99	0.0080	0.1516	:20	0.20	0.0016	0.0059
Aug. 27				:09	1.39	0.0113	0.0732	10:00	0.92	0.0075	0.1521	:44	0.25	0.0020	0.0060
a. m.				:12	1.23	0.0100	0.0737	:04	0.84	0.0068	0.1526	:46	0.29	0.0024	0.0061
12:04	0.12	0.0010	0.0001	:16	1.07	0.0087	0.0743	:14	0.71	0.0058	0.1536	:50	0.35	0.0028	0.0062
:06	0.18	0.0014	0.0002	:20	0.92	0.0075	0.0748	:20	0.64	0.0052	0.1542	:52	0.46	0.0037	0.0063
:08	0.25	0.0020	0.0002	:26	0.77	0.0062	0.0755	:28	0.58	0.0047	0.1549	:54	0.58	0.0047	0.0064
:09	0.29	0.0024	0.0003	:32	0.64	0.0052	0.0761	:40	0.49	0.0040	0.1558	:56	0.71	0.0058	0.0066
:10	0.40	0.0032	0.0003	:40	0.51	0.0041	0.0767	11:00	0.40	0.0032	0.1570	:58	0.80	0.0065	0.0068
:20	0.40	0.0032	0.0008	:42	0.40	0.0032	0.0774	:10	0.35	0.0028	0.1575	:00	0.92	0.0075	0.0070
:24	0.43	0.0035	0.0010	12:07	0.29	0.0024	0.0781	:30	0.29	0.0024	0.1584	7:00	1.07	0.0087	0.0075
:30	0.35	0.0028	0.0013	:17	0.25	0.0020	0.0785	12:00	0.22	0.0018	0.1594	:08	1.31	0.0106	0.0081
:34	0.32	0.0026	0.0015	:32	0.20	0.0016	0.0790	Aug. 28				:10	1.52	0.0124	0.0085
:36	0.35	0.0028	0.0016	:40	0.18	0.0014	0.0792	a. m.				:12	1.75	0.0142	0.0089
:40	0.40	0.0032	0.0018	1:00	0.14	0.0011	0.0796	12:30	0.18	0.0014	0.0008	:14	1.98	0.0161	0.0094
:42	0.49	0.0040	0.0019	:10	0.12	0.0010	0.0798	:50	0.16	0.0013	0.0013	:20	2.13	0.0173	0.0111
:52	0.58	0.0047	0.0026	:40	0.10	0.0008	0.0803	:50	0.12	0.0010	0.0013	:24	2.23	0.0181	0.0123
:56	0.58	0.0047	0.0029	:50	0.12	0.0010	0.0805	1:40	0.09	0.0007	0.0013	:28	2.53	0.0206	0.0136
1:00	0.51	0.0041	0.0032	2:00	0.16	0.0013	0.0807	3:00	0.06	0.0004	0.0016	:30	2.74	0.0223	0.0143
:05	0.46	0.0037	0.0035	:06	0.20	0.0016	0.0808	5:00	0.04	0.0003	0.0016	:32	3.07	0.0250	0.0151
:10	0.37	0.0030	0.0038	:10	0.22	0.0018	0.0809	6:30	0.03	0.0002	0.0016	:34	3.29	0.0267	0.0159
:14	0.29	0.0024	0.0040	:20	0.20	0.0016	0.0812	8:00	0.03	0.0002	0.0016	:36	3.52	0.0286	0.0168
:20	0.22	0.0018	0.0042	:30	0.16	0.0013	0.0815	10:00	0.03	0.0002	0.0016	:38	3.82	0.0310	0.0178
:26	0.16	0.0013	0.0044	:40	0.12	0.0010	0.0817	12:00	0.02	0.0002	0.0016	:40	4.12	0.0335	0.0189
:32	0.12	0.0010	0.0045	3:20	0.09	0.0007	0.0823	p. m.				:44	4.75	0.0386	0.0213
:36	0.10	0.0008	0.0046	:40	0.09	0.0007	0.0831	2:00	0.01	0.0001	0.0016	:46	5.34	0.0434	0.0227
:40	0.09	0.0007	0.0047	4:30	0.10	0.0008	0.0832	7:00	0.01	0.0001	0.0016	:48	5.96	0.0484	0.0242
:50	0.06	0.0004	0.0048	:40	0.10	0.0008	0.0834	T	T	T	0.0074	:52	6.68	0.0543	0.0276
2:00	0.04	0.0003	0.0049	5:00	0.18	0.0014	0.0836	Aug. 29				:56	7.58	0.0616	0.0315
:10	0.03	0.0002	0.0050	:20	0.12	0.0010	0.0840	p. m.				8:00	8.00	0.0650	0.0357
:20	0.02	0.0002	0.0050	:40	0.10	0.0008	0.0843	3:20	0.01	0.0001	0.0016	:06	9.40	0.0764	0.0428
:40	0.01	0.0001	0.0051	:50	0.10	0.0008	0.0844	:30	0.03	0.0002	0.0016	:16	9.82	0.0798	0.0558
3:20	0.01	0.0001	0.0052	6:00	0.12	0.0010	0.0846	:40	0.06	0.0004	0.0016	:26	9.40	0.0764	0.0688
5:00	0	0	0.0052	:06	0.16	0.0013	0.0847	4:00	0.03	0.0002	0.0016	:36	8.90	0.0723	0.0812
7:38	0	0	0.0052	:12	0.20	0.0016	0.0849	:50	0.06	0.0004	0.0016	:42	8.00	0.0650	0.0881
:40	0.01	0.0001		:20	0.25	0.0020	0.0851	:00	0.06	0.0004	0.0016	:50	7.15	0.0581	0.0963
:52	0.01	0.0001		:32	0.29	0.0024	0.0855	:10	0.09	0.0007	0.0016	9:00	6.25	0.0508	0.1055
8:02	0.03	0.0002		:40	0.35	0.0028	0.0858	:20	0.12	0.0010	0.0016	:02	5.96	0.0484	0.1072
:05	0.06	0.0004		:50	0.40	0.0032	0.0863	:30	0.16	0.0013	0.0016	:04	5.76	0.0468	0.1088
:10	0.09	0.0007		7:10	0.35	0.0028	0.0873	:40	0.20	0.0016	0.0016	:06	5.28	0.0429	0.1103
:16	0.12	0.0010	0.0053	:30	0.46	0.0037	0.0884	:50	0.25	0.0020	0.0016	:10	4.88	0.0397	0.1131
:20	0.12	0.0010	0.0054	:36	0.51	0.0041	0.0888	:02	0.25	0.0020	0.0016	:14	4.62	0.0376	0.1157
:40	0.07	0.0006	0.0057	:38	0.64	0.0052	0.0890	:04	0.25	0.0020	0.0016	:20	4.25	0.0345	0.1193
:50	0.05	0.0004	0.0058	:40	0.77	0.0062	0.0892	:06	0.25	0.0020	0.0016	:26	4.00	0.0325	0.1227
9:00	0.09	0.0007	0.0059	:41	0.88	0.0072	0.0893	:16	0.20	0.0016	0.0008	:32	3.64	0.0296	0.1258
:05	0.12	0.0010	0.0060	:42	0.99	0.0080	0.0894	:20	0.16	0.0013	0.0008	:38	3.35	0.0272	0.1286
:07	0.18	0.0014	0.0061	:43	1.11	0.0090	0.0895	:30	0.10	0.0008	0.0011	:44	3.07	0.0250	0.1312
:08	0.25	0.0020		:44	1.23	0.0100	0.0897	:40	0.09	0.0007	0.0012	:54	2.80	0.0228	0.1352
:09	0.43	0.0035	0.0062	:45	1.44	0.0117	0.0899	:50	0.06	0.0004	0.0013	10:00	2.63	0.0214	0.1374
:10	0.64	0.0052	0.0062	:46	1.66	0.0135	0.0901	5:00	0.04	0.0003	0.0014	:15	2.43	0.0198	0.1427
:11	0.88	0.0072	0.0063	:47	1.88	0.0153	0.0903	:20	0.03	0.0002	0.0015	:20	2.43	0.0198	0.1443
:12	1.15	0.0093	0.0064	:48	2.13	0.0173	0.0906	:24	0.06	0.0004	0.0016	:40	2.85	0.0232	0.1515
:13	1.48	0.0120	0.0066	:49	2.38	0.0193	0.0909	:28	0.12	0.0010	0.0016	:55	3.41	0.0277	0.1579
:14	1.84	0.0150	0.0068	:50	2.63	0.0214	0.0912	:32	0.16	0.0013	0.0017	11:07	4.00	0.0325	0.1639
:15	2.23	0.0181	0.0071	:51	2.90	0.0236	0.0916	:40	0.20	0.0016	0.0019	:10	4.12	0.0335	0.1656
:16	2.63	0.0214	0.0074	:52	3.18	0.0258	0.0920	:46	0.25	0.0020	0.0021	:20	4.37	0.0355	0.1714
:17	3.41	0.0277	0.0078	:53	3.41	0.0277	0.0924	:54	0.29	0.0024	0.0022	:30	4.50	0.0366	0.1774
:18	4.25	0.0345	0.0083	:54	3.64	0.0296	0.0929	:50	0.35	0.0028	0.0024	:40	4.37	0.0355	0.1834
:19	5.15	0.0419	0.0089	:56	4.00	0.0325	0.0939	6:00	0.37	0.0030	0.0027	:50	4.06	0.0330	0.1891
:20	6.10	0.0496	0.0097	8:00	4.00	0.0325	0.0961	:15	0.37	0.0030	0.0034	12:00	3.82	0.0310	0.1944
:22	6.53	0.0531	0.0114	:04</											



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Aug. 30				Sept. 10				Sept. 25				Oct. 20			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
4:30-----	0.71	0.0058	0.2596	12:20-----	0.01	0.0001		1:30-----	0.27	0.0022	0.0032	4:00-----	0.06	0.0004	0.0026
5:00-----	.71	.0058	.2625	1:30-----	.02	.0002		4:00-----	.35	.0028	.0036	5:30-----	.04	.0003	.0031
6:00-----	.64	.0052	.2680	1:00-----	.03	.0002	0.0002	4:45-----	.40	.0032	.0039	7:00-----	.03	.0002	.0036
7:00-----	.58	.0047	.2730	1:40-----	.04	.0003	.0004	5:00-----	.49	.0040	.0042	9:00-----	.02	.0002	.0040
7:40-----	.51	.0041	.2760	2:00-----	.06	.0004	.0005	5:40-----	.54	.0044	.0049	12:00-----	.02	.0002	.0046
8:40-----	.46	.0037	.2799	2:30-----	.09	.0007	.0008	6:00-----	.61	.0050	.0065				
10:00-----	.40	.0032	.2846	3:00-----	.09	.0007	.0010	6:30-----	.61	.0050	.0098	Oct. 21			
11:20-----	.35	.0028	.2886	3:40-----	.06	.0004	.0011	7:00-----	.58	.0047	.0106	<i>a. m.</i>			
12:00-----	.32	.0026	.2904	4:00-----	.04	.0003	.0012	7:40-----	.51	.0041	.0113	12:00-----	.02	.0002	.0024
Aug. 31				4:40-----	.03	.0002	.0013	8:00-----	.49	.0040	.0120	<i>p. m.</i>			
<i>a. m.</i>				4:30-----	.02	.0002	.0015	8:40-----	.43	.0035	.0126	12:40-----	.01	.0001	.0025
1:00-----	.29	.0024	.0025	6:30-----	.01	.0001	.0017	9:00-----	.35	.0028	.0137	12:00-----	.01	.0001	.0037
2:30-----	.27	.0022	.0059	<i>p. m.</i>				10:00-----	.29	.0024	.0141				
3:20-----	.25	.0020	.0077	12:00-----	.01	.0001	.0035	1:00-----	.25	.0020	.0145	Oct. 22 1-----	.01	.0001	.0024
4:40-----	.25	.0020	.0104	Sept. 11				1:40-----	.26	.0016	.0151				
6:30-----	.22	.0018	.0138	<i>a. m.</i>				5:00-----	.16	.0013	.0156	Oct. 23			
7:40-----	.20	.0016	.0158	9:00-----	.01	.0001	.0009	6:00-----	.12	.0010	.0160	<i>a. m.</i>			
8:40-----	.20	.0016	.0174	<i>p. m.</i>				7:00-----	.09	.0007	.0165	11:00-----	.01	.0001	.0011
10:20-----	.18	.0014	.0199	2:00-----	T	T	.0011	8:20-----	.06	.0004	.0171	12:00-----	T	T	.0015
11:20-----	.16	.0013	.0213	12:00-----	T	T	.0015	9:00-----	.03	.0002	.0176	Oct. 24-31-----	T	T	.0006
<i>p. m.</i>				Sept. 12-23	T	T	.0095	10:00-----	.02	.0002	.0178	Nov. 1			
1:20-----	.14	.0011	.0237	Sept. 24				<i>p. m.</i>				<i>a. m.</i>			
3:00-----	.12	.0010	.0271	<i>p. m.</i>				1:00-----	.01	.0001	.0181	8:50-----	0	0	0
6:00-----	.10	.0008	.0298	8:10-----	0	0	0	12:00-----	.01	.0001	.0192	9:50-----	.03	.0002	.0002
9:00-----	.09	.0007	.0322	11-----	.01	.0001	.0001	Sept. 26- Oct. 6-----	T	T	.0008	10:00-----	.09	.0007	.0001
12:00-----	.09	.0007	.0343	12:00-----	T	T	.0015	Oct. 7				11:00-----	.12	.0010	.0002
Sept. 1				Sept. 12-23	T	T	.0095	<i>a. m.</i>				12:00-----	.14	.0011	.0004
<i>a. m.</i>				Sept. 24				2:00-----	0	0	0	1:00-----	.09	.0007	.0007
4:00-----	.09	.0007	.0028	8:10-----	.01	.0001	.0001	7:00-----	.01	.0001	.0003	2:00-----	.06	.0004	.0004
8:00-----	.07	.0006	.0052	11-----	.03	.0002	.0002	9:50-----	.01	.0001	.0003	3:00-----	.09	.0007	.0001
12:00-----	.06	.0004	.0072	12-----	.06	.0004	.0004	10:00-----	.03	.0002	.0002	4:00-----	.12	.0010	.0002
<i>p. m.</i>				1:00-----	.15	.0010	.0010	<i>p. m.</i>				5:00-----	.14	.0011	.0004
4:00-----	.04	.0003	.0088	1:40-----	.20	.0016	.0016	12:00-----	T	T	.0007	6:00-----	.09	.0007	.0007
12:00-----	.04	.0003	.0112	1:50-----	.25	.0020	.0020	Oct. 8-14-----	T	T	.0006	7:00-----	.12	.0010	.0016
Sept. 2				2:00-----	.29	.0024	.0001	Oct. 15				8:00-----	.16	.0013	.0018
<i>a. m.</i>				2:30-----	.35	.0028	.0002	<i>a. m.</i>				9:00-----	.22	.0018	.0021
3:00-----	.04	.0003	.0009	3:00-----	.40	.0032	.0003	4:15-----	0	0	0	10:00-----	.29	.0024	.0025
8:00-----	.03	.0002	.0024	3:40-----	.64	.0052	.0003	4:30-----	.01	.0001	.0001	11:00-----	.32	.0026	.0027
12:00-----	.03	.0002	.0032	4:00-----	.92	.0075	.0004	5:00-----	.01	.0001	.0002	12:00-----	.32	.0026	.0031
<i>p. m.</i>				4:40-----	1.23	.0100	.0005	6:20-----	.01	.0001	.0002	1:00-----	.29	.0024	.0033
4:00-----	.02	.0002	.0042	5:00-----	1.57	.0128	.0007	7:00-----	.01	.0001	.0002	2:00-----	.25	.0020	.0037
12:00-----	.02	.0002	.0056	5:40-----	1.75	.0142	.0009	9:00-----	.03	.0002	.0007	3:00-----	.20	.0016	.0040
Sept. 3				6:00-----	1.57	.0128	.0009	10:00-----	.02	.0002	.0009	4:00-----	.16	.0013	.0045
<i>a. m.</i>				6:30-----	1.39	.0113	.0020	11:20-----	.01	.0001	.0010	5:00-----	.12	.0010	.0049
9:00-----	.02	.0002	.0018	7:00-----	1.31	.0106	.0024	<i>p. m.</i>				6:00-----	.09	.0007	.0050
12:00-----	.01	.0001	.0021	7:30-----	1.23	.0100	.0031	1:00-----	.01	.0001	.0012	7:00-----	.06	.0004	.0052
<i>p. m.</i>				8:00-----	1.11	.0090	.0034	3:00-----	T	T	.0007	8:00-----	.03	.0002	.0054
4:00-----	.02	.0002	.0042	8:30-----	.99	.0080	.0037	4:00-----	.01	.0001	.0017	9:00-----	.02	.0002	.0055
12:00-----	.02	.0002	.0056	9:00-----	.84	.0068	.0042	Oct. 16				10:00-----	.02	.0002	.0060
Sept. 4				9:40-----	.71	.0058	.0046	<i>a. m.</i>				11:00-----	.03	.0002	.0062
Sept. 5				10:00-----	.58	.0047	.0049	4:15-----	0	0	0	12:00-----	.06	.0004	.0063
Sept. 6				10:30-----	.46	.0037	.0052	4:30-----	.01	.0001	.0001	1:00-----	.18	.0014	.0064
<i>p. m.</i>				11:00-----	.35	.0028	.0054	5:00-----	.01	.0001	.0012	2:00-----	.20	.0016	.0069
3:00-----	.01	.0001	.0015	11:30-----	.29	.0024	.0056	6:20-----	.01	.0001	.0002	3:00-----	.25	.0020	.0071
8:00-----	.01	.0001	.0021	12:00-----	.25	.0020	.0057	7:00-----	.03	.0002	.0003	4:00-----	.16	.0013	.0074
12:00-----	.01	.0001	.0033	1:00-----	.20	.0016	.0058	9:00-----	.03	.0002	.0007	5:00-----	.12	.0010	.0076
Sept. 4				1:40-----	.16	.0013	.0059	10:00-----	.01	.0001	.0017	6:00-----	.07	.0006	.0077
Sept. 5				2:00-----	.12	.0010	.0061	11:20-----	.01	.0001	.0010	7:00-----	.06	.0004	.0079
Sept. 6				2:30-----	.09	.0007	.0063	<i>p. m.</i>				8:00-----	.03	.0002	.0080
<i>p. m.</i>				3:00-----	.06	.0004	.0064	1:00-----	T	T	.0010	9:00-----	.03	.0002	.0084
3:00-----	.01	.0001	.0015	3:30-----	.06	.0004	.0066	3:00-----	.01	.0001	.0012	10:00-----	.02	.0002	.0086
8:00-----	.01	.0001	.0022	4:00-----	.09	.0007	.0067	4:00-----	.01	.0001	.0017	11:00-----	.02	.0002	.0086
12:00-----	.01	.0001	.0023	4:30-----	.12	.0010	.0068	5:00-----	.01	.0001	.0017	12:00-----	.02	.0002	.0086
Sept. 7				5:00-----	.16	.0013	.0069	6:00-----	.02	.0002	.0015	Nov. 2			
Sept. 8				5:40-----	.20	.0016	.0070	7:20-----	.02	.0002	.0015	<i>a. m.</i>			
<i>a. m.</i>				6:00-----	.25	.0020	.0070	8:00-----	.01	.0001	.0016	9:00-----	.02	.0002	.0018
8:20-----	0	0	0	6:30-----	.29	.0024	.0071	9:00-----	.01	.0001	.0017	<i>p. m.</i>			
9:50-----	.01	.0001	.0001	7:00-----	.35	.0028	.0072	10:00-----	.01	.0001	.0017	12:00-----	.01	.0001	.0028
11:10-----	.01	.0001	.0002	7:30-----	.39	.0029	.0073	11:00-----	.01	.0001	.0017	1:00-----	.01	.0001	.0038
12:00-----	.02	.0002	.0002	8:00-----	.42	.0037	.0074	12:00-----	.01	.0001	.0017	Nov. 3			
1:00-----	.03	.0003	.0003	8:30-----	.46	.0047	.0075	Oct. 17				Nov. 4			
2:00-----	.03	.0003	.0004	9:00-----	.50	.0058	.0077	Oct. 18				Nov. 5			
3:00-----	.02	.0002	.0004	9:40-----	.52	.0060	.0079	Oct. 19				<i>p. m.</i>			
4:00-----	.01	.0001	.0001	10:00-----	.56	.0068	.0083	Oct. 20				12:10-----	.01	.0001	.0012
5:00-----	.01	.0001	.0001	10:30-----	.64	.0082	.0087	<i>a. m.</i>				1:00-----	.04	.0003	.0013
6:00-----	.01	.0001	.0001	11:00-----	.64	.0082	.0087	11:00-----	.01	.0001	.0011	2:00-----	.07	.0006	.0013
7:00-----	.01	.0001	.0001	11:30-----	.49	.0040	.0095	12:00-----	.02	.0002	.0012	3:00-----	.07	.0006	.0013
8:00-----	.01	.0001	.0001	12:00-----	.35	.0028	.0114	<i>p. m.</i>							
9:00-----	.01	.0001	.0001	Sept. 25				1:00-----	.03	.0002	.0013				
10:00-----	.01	.0001	.0001	<i>a. m.</i>				1:30-----	.04	.0003	.0015				
11:00-----	.01	.0001	.0001	12:10-----	.35	.0028	.0005	2:00-----	.06	.0004	.0022				
12:00-----	.01	.0001	.0001	1:00-----	.29	.0024	.0009	3:00-----	.06	.0004	.0022				
				2:00-----	.25	.0020	.0016								
				3:00-----	.22	.0018	.0022								
				4:00-----	.25	.0020	.0028								

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Nov. 5				Nov. 12				Nov. 26				Nov. 30			
p. m.				a. m.				p. m.				p. m.			
12:40	0.09	0.0007	0.0014	3:00	0.07	0.0006	0.0018	3:00	2.74	0.0223	0.0163	2:30	0.09	0.0007	0.0094
1:00	0.09	0.0007	0.0016	6:00	0.06	0.0004	0.0033	3:05	3.07	0.0250	0.0187	3:30	0.10	0.0008	0.0101
1:10	0.09	0.0007	0.0017	12:00	0.06	0.0004	0.0037	3:12	3.29	0.0267	0.0211	4:30	0.12	0.0010	0.0113
2:00	0.12	0.0010	0.0018					3:18	3.52	0.0286	0.0241	6:00	0.12	0.0010	0.0126
2:50	0.12	0.0010	0.0023	p. m.				3:24	3.88	0.0315	0.0271	7:00	0.14	0.0011	0.0136
2:10	0.09	0.0007	0.0026	5:00	0.04	0.0003	0.0072	3:30	4.18	0.0340	0.0304	12:00	0.14	0.0011	0.0191
3:40	0.06	0.0004	0.0029	12:00	0.04	0.0003	0.0093	4:00	4.62	0.0376	0.0363				
3:00	0.06	0.0004	0.0030					4:05	4.75	0.0386	0.0395	Dec. 1			
3:20	0.03	0.0002	0.0031	Nov. 13				4:06	4.56	0.0371	0.0490	a. m.			
4:30	0.03	0.0002	0.0033	a. m.				4:06	4.25	0.0345	0.0526	12:30	0.14	0.0011	0.0006
5:00	0.06	0.0004	0.0035	3:00	0.03	0.0002	0.0006	4:16	4.00	0.0325	0.0582	1:00	0.12	0.0010	0.0012
9:00	0.06	0.0004	0.0051					4:30	3.70	0.0301	0.0655	4:00	0.10	0.0008	0.0039
11:00	0.04	0.0003	0.0059	p. m.				4:40	3.52	0.0286	0.0704	7:00	0.09	0.0007	0.0060
12:00	0.03	0.0002	0.0061	12:00	0.03	0.0002	0.0048	5:00	3.35	0.0272	0.0751	11:00	0.07	0.0006	0.0088
Nov. 6								5:00	3.12	0.0254	0.0795				
a. m.				Nov. 14				5:10	2.96	0.0241	0.0836	p. m.			
2:00	0.03	0.0002	0.0004	a. m.				5:20	2.74	0.0223	0.0875	3:00	0.07	0.0006	0.0112
5:00	0.02	0.0002	0.0010	10:00	0.03	0.0002	0.0020	5:30	2.53	0.0206	0.0911	5:00	0.06	0.0004	0.0122
10:00	0.02	0.0002	0.0020	p. m.				5:40	2.33	0.0189	0.0944	12:00	0.06	0.0004	0.0150
				3:00	0.02	0.0002	0.0030	6:00	2.13	0.0173	0.0974				
12:00	0.02	0.0002	0.0048	12:00	0.02	0.0002	0.0048	6:10	1.98	0.0161	0.1002	Dec. 2			
Nov. 7								6:20	1.84	0.0150	0.1028	a. m.			
a. m.				Nov. 15 <sup>1</sup>	0.02	0.0002	0.0048	6:22	1.75	0.0142	0.1057	8:00	0.06	0.0004	0.0032
9:00	0.02	0.0002	0.0018	Nov. 16 <sup>1</sup>	0.02	0.0002	0.0048	6:34	1.75	0.0142	0.1081	10:00	0.06	0.0004	0.0040
p. m.				Nov. 17 <sup>1</sup>	0.02	0.0002	0.0048	6:50	1.84	0.0150	0.1120	12:00	0.04	0.0003	0.0046
2:00	0.01	0.0001	0.0028	Nov. 18 <sup>1</sup>	0.02	0.0002	0.0048	7:00	1.93	0.0157	0.1146				
12:00	0.01	0.0001	0.0038	Nov. 19 <sup>1</sup>	0.02	0.0002	0.0048	7:10	2.13	0.0173	0.1174	p. m.			
Nov. 8 <sup>1</sup>	0.01	0.0001	0.0024	Nov. 20 <sup>1</sup>	0.02	0.0002	0.0048	7:20	2.28	0.0185	0.1204	12:00	0.04	0.0003	0.0082
Nov. 9 <sup>1</sup>	0.01	0.0001	0.0024	Nov. 21 <sup>1</sup>	0.02	0.0002	0.0048	7:30	2.48	0.0202	0.1236	Dec. 3 <sup>1</sup>	0.04	0.0003	0.0072
Nov. 10 <sup>1</sup>	0.01	0.0001	0.0024	Nov. 22 <sup>1</sup>	0.02	0.0002	0.0048	7:40	2.68	0.0218	0.1271	Dec. 4 <sup>1</sup>	0.04	0.0003	0.0072
Nov. 11				Nov. 23 <sup>1</sup>	0.02	0.0002	0.0048	7:50	2.85	0.0232	0.1309	Dec. 5 <sup>1</sup>	0.04	0.0003	0.0072
a. m.				Nov. 24				8:20	2.85	0.0232	0.1425	Dec. 6 <sup>1</sup>	0.04	0.0003	0.0072
3:20	0.01	0.0001	0.0003	a. m.				8:30	2.68	0.0218	0.1463	Dec. 7			
3:30	0.03	0.0002	0.0004	8:40	0.02	0.0002	0.0017	8:40	2.48	0.0202	0.1498	a. m.			
3:40	0.06	0.0004	0.0004	9:40	0.02	0.0002	0.0019	9:00	2.33	0.0189	0.1531	5:30	0.04	0.0003	0.0017
3:44	0.09	0.0007	0.0007					9:20	2.18	0.0177	0.1561	6:00	0.06	0.0004	0.0019
3:46	0.12	0.0010	0.0005					9:40	1.88	0.0153	0.1616	7:30	0.09	0.0007	0.0022
3:50	0.16	0.0013	0.0005					10:00	1.66	0.0135	0.1664	12:00	0.09	0.0007	0.0060
3:55	0.20	0.0016	0.0006					10:10	1.48	0.0120	0.1706				
4:00	0.25	0.0020	0.0008					10:20	1.39	0.0113	0.1745	Dec. 8			
4:10	0.25	0.0020	0.0011					10:30	1.27	0.0103	0.1781	p. m.			
4:20	0.20	0.0016	0.0014					11:10	1.15	0.0093	0.1830	2:00	0.07	0.0006	0.0072
4:30	0.16	0.0013	0.0017					11:20	0.99	0.0080	0.1887	5:00	0.06	0.0004	0.0087
4:40	0.12	0.0010	0.0019					11:30	0.92	0.0075	0.1900	10:00	0.06	0.0004	0.0107
5:00	0.10	0.0008	0.0022									12:00	0.04	0.0003	0.0115
5:10	0.10	0.0008	0.0027	Nov. 25											
5:44	0.12	0.0010	0.0028	a. m.								a. m.			
5:50	0.16	0.0013	0.0029	2:40	0.02	0.0002	0.0005					1:00	0.04	0.0003	0.0003
8:30	0.16	0.0013	0.0063	3:00	0.03	0.0002	0.0006					6:00	0.03	0.0002	0.0013
3:40	0.20	0.0016	0.0065	4:30	0.03	0.0002	0.0009								
3:50	0.25	0.0020	0.0068	5:30	0.02	0.0002	0.0011								
9:00	0.32	0.0026	0.0072									p. m.			
9:20	0.32	0.0026	0.0080									12:00	0.03	0.0002	0.0052
9:40	0.35	0.0028	0.0089									Dec. 9			
10:00	0.40	0.0032	0.0099									a. m.			
10:40	0.40	0.0032	0.0120									2:00	0.03	0.0002	0.0004
10:50	0.46	0.0037	0.0126	Nov. 26								7:00	0.02	0.0002	0.0014
11:00	0.54	0.0044	0.0133	p. m.								10:00	0.02	0.0002	0.0020
11:10	0.64	0.0052	0.0141	12:30	0.02	0.0002	0.0025								
11:20	0.74	0.0060	0.0150	1:00	0.03	0.0002	0.0026	Nov. 28				p. m.			
11:30	0.84	0.0068	0.0161	2:00	0.06	0.0004	0.0027	a. m.				2:00	0.01	0.0001	0.0028
11:50	0.92	0.0075	0.0185	2:25	0.09	0.0007	0.0030	3:00	0.18	0.0014	0.0045	12:00	0.01	0.0001	0.0038
12:00	0.92	0.0075	0.0197	3:00	0.12	0.0010	0.0038	6:00	0.16	0.0013	0.0087				
				3:40	0.16	0.0013	0.0030	9:00	0.14	0.0011	0.0123	Dec. 10 <sup>1</sup>	0.01	0.0001	0.0024
				4:00	0.22	0.0018	0.0031	12:00	0.12	0.0010	0.0153	Dec. 11 <sup>1</sup>	0.01	0.0001	0.0024
				4:50	0.29	0.0024	0.0033					Dec. 12			
				5:00	0.40	0.0032	0.0035	p. m.				a. m.			
				5:50	0.51	0.0041	0.0038	5:00	0.12	0.0010	0.0203	11:00	0.01	0.0001	0.0011
				6:00	0.64	0.0052	0.0041	10:00	0.10	0.0008	0.0248	12:00	0.02	0.0002	0.0013
				6:30	0.77	0.0062	0.0045	12:00	0.10	0.0008	0.0264				
				7:00	0.92	0.0075	0.0049	Nov. 29				p. m.			
				7:12	1.07	0.0087	0.0054	p. m.				1:00	0.03	0.0002	0.0015
				7:20	1.23	0.0100	0.0060	6:00	0.10	0.0008	0.0144	3:40	0.06	0.0004	0.0017
				7:24	1.39	0.0113	0.0067	8:00	0.09	0.0007	0.0160	4:00	0.07	0.0006	0.0019
				7:32	1.57	0.0128	0.0083	12:00	0.09	0.0007	0.0188	5:00	0.09	0.0007	0.0024
				7:36	1.70	0.0138	0.0092					5:20	0.10	0.0008	0.0025
				7:40	1.84	0.0150	0.0102	Nov. 30				3:00	0.12	0.0010	0.0031
				7:46	2.03	0.0165	0.0118	a. m.				4:00	0.12	0.0010	0.0047
				7:52	2.33	0.0189	0.0136	3:00	0.09	0.0007	0.0021	5:20	0.12	0.0010	0.0047
				7:56	2.53	0.0206	0.0149	5:00	0.07	0.0006	0.0033	3:00	0.16	0.0013	0.0049
								11:00	0.07	0.0006	0.0069	4:00	0.20	0.0016	0.0051

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 22.—Run-off from watershed 10, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Dec. 12	Second-foot	Inches per hour	Inches	Dec. 16	Second-foot	Inches per hour	Inches	Dec. 24	Second-foot	Inches per hour	Inches	Dec. 29	Second-foot	Inches per hour	Inches
p. m.				p. m.				p. m.				a. m.			
5:45	0.27	0.0022	0.0053	1:34	1.84	0.0150	0.0869	11:30	0.04	0.0003	0.0070	1:52	0.99	0.0080	0.0137
:50	.35	.0028	.0055	:36	2.03	.0165	.0874	12:00	.06	.0004	.0072	:56	1.15	.0093	.0143
:55	.40	.0032	.0057	:40	2.23	.0181	.0886					2:00	1.31	.0106	.0150
6:00	.49	.0040	.0060	:45	2.13	.0173	.0915	Dec. 25				:04	1.62	.0132	.0158
:10	.58	.0047	.0067	:50	2.33	.0189	.0930	a. m.				:08	1.84	.0150	.0168
:30	.61	.0050	.0083	:58	2.63	.0214	.0940	12:20	.06	.0004	.0001	:12	2.08	.0169	.0179
:45	.71	.0058	.0097	2:00	2.85	.0232	.0947	1:20	.09	.0007	.0006	:18	2.28	.0185	.0197
7:00	.71	.0058	.0111	:02	2.96	.0241	.0955	2:00	.09	.0007	.0010	:24	2.33	.0189	.0216
:10	.77	.0062	.0121	:10	2.96	.0241	.0987	4:00	.10	.0008	.0026	:28	2.58	.0210	.0229
:30	.77	.0062	.0142	:20	3.07	.0250	.1028	6:00	.10	.0008	.0042	:32	2.96	.0241	.0244
:50	.71	.0058	.0162	:30	2.85	.0232	.1068	8:00	.09	.0007	.0056	:36	3.24	.0263	.0261
8:10	.64	.0052	.0180	:40	2.63	.0214	.1105	11:00	.07	.0006	.0077	:40	3.52	.0286	.0279
:30	.58	.0047	.0197	:50	2.38	.0193	.1139	p. m.				:44	3.76	.0306	.0299
9:00	.51	.0041	.0219	3:00	2.13	.0173	.1169	2:00	.07	.0006	.0095	:48	4.00	.0325	.0320
:20	.46	.0037	.0232	:10	1.93	.0157	.1197	4:00	.06	.0004	.0105	:52	4.43	.0360	.0343
10:00	.40	.0032	.0255	:20	1.75	.0142	.1222	12:00	.06	.0004	.0137	:56	4.62	.0376	.0367
11:00	.35	.0028	.0285	:30	1.62	.0132	.1245	Dec. 26				3:08	5.01	.0407	.0445
12:00	.29	.0024	.0311	:40	1.48	.0120	.1266	a. m.				:20	4.88	.0397	.0525
Dec. 13				:50	1.35	.0116	.1286	4:00	.06	.0004	.0016	:40	4.68	.0380	.0654
a. m.				4:00	1.23	.0100	.1304	4:00	.04	.0003	.0032	4:00	4.18	.0340	.0774
1:00	.25	.0020	.0022	:20	1.07	.0087	.1335	8:00	.04	.0003		:06	4.00	.0325	.0807
2:30	.20	.0016	.0049	:40	.99	.0080	.1363	p. m.				:18	3.64	.0296	.0869
4:30	.16	.0013	.0077	5:00	.92	.0075	.1389	2:00	.04	.0003	.0050	:24	3.41	.0277	.0898
6:30	.14	.0011	.0101	:20	.84	.0068	.1413	6:00	.03	.0002	.0058	:36	3.52	.0286	.0955
8:00	.12	.0010	.0116	:40	.77	.0062	.1435	12:00	.03	.0002	.0070	:40	3.41	.0277	.0974
10:00	.10	.0008	.0134	6:10	.71	.0058	.1465	Dec. 27				:50	3.29	.0267	.1019
12:00	.09	.0007	.0148	:40	.64	.0052	.1493	3:30	.03	.0002	.0031	5:10	3.29	.0267	.1108
p. m.				7:40	.58	.0047	.1543	4:00	.06	.0004	.0032	:20	3.12	.0254	.1151
3:00	.09	.0007	.0169	9:00	.51	.0041	.1602	:20	.09	.0007	.0034	:40	2.85	.0232	.1232
8:00	.07	.0006	.0199	10:30	.46	.0037	.1661	3:30	.03	.0002	.0031	:50	2.63	.0214	.1269
12:00	.07	.0006	.0223	:40	.40	.0032	.1714	4:00	.06	.0004	.0032	6:00	2.43	.0198	.1303
Dec. 14				Dec. 17				:20	.09	.0007	.0034	:20	2.18	.0177	.1365
a. m.				a. m.				:30	.14	.0011	.0035	:40	1.98	.0161	.1421
5:00	.07	.0006	.0030	2:00	.35	.0028	.0060	:40	.20	.0016	.0037	7:00	1.80	.0146	.1472
9:00	.06	.0004	.0050	4:30	.29	.0024	.0125	:48	.27	.0022	.0038	:20	1.70	.0138	.1519
p. m.				8:00	.27	.0022	.0206	:50	.35	.0028	.0040	:40	1.66	.0135	.1564
12:00	.06	.0004	.0110	11:00	.25	.0020	.0269	:54	.43	.0035	.0041	8:00	1.84	.0150	.1611
Dec. 15 <sup>1</sup>	.06	.0004	.0096	p. m.				5:00	.51	.0041	.0043	:20	1.93	.0157	.1662
Dec. 16				3:30	.22	.0018	.0358	:10	.61	.0050	.0048	:40	2.13	.0173	.1717
a. m.				6:00	.20	.0016	.0400	:20	.71	.0058	.0057	9:20	2.13	.0173	.1832
12:30	.06	.0004	.0002	11:00	.20	.0016	.0480	:25	.64	.0052	.0066	:30	2.23	.0181	.1861
1:00	.09	.0007	.0005	12:00	.18	.0014	.0495	:40	.58	.0047	.0070	10:00	2.23	.0181	.1952
:20	.12	.0010	.0008	Dec. 18				:45	.58	.0047	.0082	:20	2.13	.0173	.2011
:30	.16	.0013	.0010	a. m.				:50	.71	.0058	.0086	:30	2.03	.0165	.2039
:40	.20	.0016	.0012	3:00	.16	.0013	.0039	:54	.77	.0062	.0091	:40	1.93	.0157	.2066
2:00	.27	.0022	.0018	9:00	.16	.0013	.0117	6:40	.77	.0062	.0142	11:00	1.84	.0150	.2117
:10	.27	.0022	.0022	p. m.				7:00	.71	.0058	.0162	:20	1.66	.0135	.2164
:20	.35	.0028	.0026	1:00	.14	.0011	.0165	:20	.64	.0052	.0180	:40	1.52	.0124	.2207
:30	.49	.0040	.0032	4:00	.14	.0011	.0198	:40	.58	.0047	.0196	p. m.			
:40	.51	.0041	.0039	8:00	.12	.0010	.0238	8:00	.51	.0041	.0211	12:10	1.39	.0113	.2267
3:00	.61	.0050	.0047	12:00	.12	.0010	.0278	:30	.46	.0037	.0230	:40	1.66	.0135	.2329
:50	.71	.0058	.0056	Dec. 19				9:00	.40	.0032	.0248	1:20	1.57	.0128	.2417
:10	.88	.0072	.0067	a. m.				10:00	.37	.0030	.0279	:50	1.48	.0120	.2479
:20	1.07	.0087	.0080	6:00	.12	.0010	.0060	11:00	.40	.0032	.0310	2:30	1.39	.0113	.2556
:25	1.15	.0093	.0088	8:00	.10	.0008	.0078	12:00	.43	.0035	.0343	3:20	1.31	.0106	.2648
:30	1.35	.0110	.0097	p. m.				a. m.				4:20	.84	.0068	.2735
:40	1.48	.0120	.0116	1:00	.12	.0010	.0123	1:00	.40	.0032	.0034	5:30	.92	.0075	.2819
4:00	1.75	.0142	.0160	4:00	.12	.0010	.0233	2:20	.35	.0028	.0074	6:40	.99	.0080	.2909
:20	1.93	.0157	.0210	Dec. 20				7:00	.27	.0022	.0189	8:40	.99	.0080	.3069
:30	1.98	.0161	.0237	a. m.				8:00	.25	.0020	.0210	9:20	.95	.0077	.3121
:40	1.98	.0161	.0264	1:00	.10	.0008	.0009	:30	.20	.0016	.0018	11:00	.95	.0077	.3250
5:00	1.84	.0150	.0316	6:00	.10	.0008	.0049	4:00	.18	.0014	.0384	:20	.92	.0075	.3275
:20	1.70	.0138	.0364	8:00	.09	.0007	.0065	7:00	.20	.0016	.0389	:40	.92	.0075	.3325
:40	1.57	.0128	.0408	p. m.				7:00	.22	.0018	.0392	Dec. 30			
6:00	1.39	.0113	.0448	12:00	.09	.0007	.0177	:20	.29	.0024	.0399	a. m.			
:20	1.23	.0100	.0484	Dec. 21				:25	.32	.0026	.0401	2:00	.84	.0068	.0144
:40	1.15	.0093	.0516	a. m.				:40	.32	.0026	.0408	3:30	.80	.0065	.0244
7:00	1.03	.0084	.0546	3:00	.09	.0007	.0021	5:00	.18	.0014	.0363	5:00	.77	.0062	.0339
:20	.92	.0075	.0572	6:00	.07	.0006	.0039	6:30	.18	.0014	.0384	7:30	.71	.0058	.0489
:40	.84	.0068	.0596	p. m.				:50	.20	.0016	.0389	9:00	.64	.0052	.0571
8:00	.77	.0062	.0618	12:00	.07	.0006	.0147	7:00	.22	.0018	.0392	11:00	.58	.0047	.0669
:30	.71	.0058	.0648	Dec. 22				:20	.29	.0024	.0399	p. m.			
9:00	.64	.0052	.0675	a. m.				:25	.32	.0026	.0401	2:00	.58	.0047	.0810
:30	.58	.0047	.0700	3:00	.06	.0004	.0020	:40	.32	.0026	.0416	4:00	.54	.0044	.0902
10:20	.51	.0041	.0736	6:00	.04	.0003	.0032	8:00	.29	.0024	.0416	6:00	.51	.0041	.0986
12:00	.46	.0037	.0801	p. m.				:30	.32	.0026	.0429	8:00	.46	.0037	.1064
1:20	.46	.0037	.0850	Dec. 23				9:30	.32	.0026	.0455	10:00	.46	.0037	.1138
:22	.54	.0044	.0851	a. m.				:40	.35	.0028	.0460	12:00	.40	.0032	.1208
:24	.64	.0052	.0853	3:00	.06	.0004	.0012	10:40	.35	.0028	.0488	Dec. 31			
:26	.80	.0065	.0855	8:00	.04	.0003	.0032	11:10	.40	.0032	.0503	a. m.			
:28	.99	.0080	.0857	p. m.				:20	.49	.0040	.0509	2:00	.40	.0032	.0064
:29	1.15	.0093	.0858	12:00	.06	.0004	.0100	:30	.61	.0050	.0517	4:00	.37	.0030	.0126
:30	1.31	.0106	.0860	Dec. 24				:40	.71	.0058	.0526	6:00	.35	.0028	.0184
:31	1.48	.0120	.0862	a. m.				12:00	.77	.0062	.0546	7:00	.35	.0028	.0212
:32	1.66	.0135	.0864	3:00	.06	.0004	.0012	Dec. 29				10:00	.10	.0008	.0266
				8:00	.04	.0003	.0032	a. m.				p. m.			
				12:00	.04	.0003	.0080	12:10	.92	.0075	.0011	1:00	.09	.0007	.0290
								1:00	.92	.0075	.0074	11:00	.09	.0007	.0360
								:40	.84	.0068	.0122	12:00	.07	.0006	.0366

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 23.—Run-off from watershed 20, 1940

LOCATION: Latitude 40°22'10'', longitude 81°49'53''.

## PHYSICAL CHARACTERISTICS:

*Drainage area*.—0.58 square mile (373 acres).*Length of principal watercourse*.—7,400 feet.*Topography*.—The area is highly dissected and well drained and has steep slopes of moderate length. Aspect is to the west.*Slope*.—Slope distribution and average slope on this watershed have not been determined. In general it may be said that valleys are narrow and have high gradients. Slopes range from 5 percent to over 30 percent with most of the area on the steeper slopes.*Erosion condition*.—Except on alluvial areas and woodlands, 50 to 75 percent of the topsoil has been removed by sheet erosion. There are occasional gullies more than 100 feet apart on 5 percent of the area, frequent gullies less than 100 feet apart on 3 percent, and land slips on 10 percent of the area, all estimated.*Soil*.—Keene silt loam is the predominant soil on this watershed. The extent has not been determined.

## LAND USE AND VEGETAL COVER:

*Land use*.—Mixed cover, conservation practices on part of the area.*Vegetal cover and soil condition*.—See table 10.

## MEASUREMENTS:

*Precipitation*.—Rainfall was measured at 2 recording rain gages, 54 and 102, and 10 nonrecording rain gages, 48, 49, 50, 51, 53, 55, 57, 58, 59, and 105 (fig. 1). The amount of rainfall on the watershed was obtained by Thiessen weight. Snowfall was measured in the nonrecording gages supplemented by snow boards. Snow inventory on the watershed was based on surveys and observations made on typical areas near project headquarters.*Run-off*.—Run-off was measured by current-meter station with Columbus deep-notch weir control. Records of run-off are good. The rating curve is well established by 26 discharge measurements which cover the entire range of recorded gage height. Recession curves are occasionally inaccurate because of clogging of intake with silt.*Soil loss*.—Records of soil loss were not obtained.*Changes in instrumentation during year*.—None.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, MARCH 1937 TO DECEMBER 1940:

*Rainfall*.—Total precipitation for 1940, 47.55 inches; average annual precipitation for period of record, 40.98 inches.*Run-off*.—Annual run-off amount 1940, 18.00 inches; maximum rate of run-off for period of record, 0.553 inch per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
Jan. 1-10	0.03	0.0001	0.0240		Jan. 14					Jan. 15				
Jan. 11					a. m.					a. m.				
p. m.					7:00	0.38	0.0010	0.0037		4:30	0.76	0.0020	0.0103	
4:30	.02	.0001	.0017		:10	.47	.0012	.0039		6:30	.69	.0018	.0141	Jan. 23 <sup>1</sup>
10:30	.03	.0001	.0023		:30	.65	.0017	.0044		8:30	.62	.0016	.0175	Jan. 24 <sup>1</sup>
12:00	.03	.0001	.0025		:35	.76	.0020	.0045		9:30	.59	.0016	.0191	Jan. 25 <sup>1</sup>
Jan. 12					:43	1.02	.0027	.0048		10:40	.56	.0015	.0208	Jan. 26 <sup>1</sup>
a. m.					:48	1.37	.0036	.0051		12:00	.53	.0014	.0227	Jan. 27 <sup>1</sup>
4:00	.04	.0001	.0004		:53	1.81	.0048	.0054		p. m.				Jan. 28 <sup>1</sup>
11:00	.04	.0001	.0011		8:00	2.48	.0066	.0061		2:00	.50	.0013	.0253	
1:30	.04	.0001	.0014		:12	3.80	.0101	.0078		4:30	.47	.0012	.0283	
3:00	.04	.0001	.0016		:20	5.02	.0134	.0094		6:20	.45	.0012	.0305	Jan. 29
7:00	.05	.0001	.0020		:25	7.16	.0191	.0107		8:30	.40	.0011	.0329	
p. m.					:30	9.53	.0253	.0125		10:30	.34	.0009	.0349	
12:00	.04	.0001	.0025		:30	13.4	.0356	.0226		12:00	.32	.0009	.0363	
Jan. 13					9:00	18.2	.0484	.0296		Jan. 16				
a. m.					:05	18.8	.0500	.0337		a. m.				
4:00	.04	.0001	.0004		:20	17.5	.0465	.0458		12:00	.28	.0008	.0096	Jan. 30
11:00	.04	.0001	.0011		10:00	13.4	.0356	.0731		p. m.				
p. m.					:10	13.0	.0346	.0790		5:00	.03	.0001	.0017	
12:00	.04	.0001	.0025		:25	13.0	.0346	.0877		9:00	.03	.0001	.0021	
Jan. 14					:30	13.4	.0356	.0906		12:00	.03	.0001	.0024	
a. m.					11:00	15.0	.0399	.1095		Jan. 17				
4:00	.04	.0001	.0004		:15	16.3	.0433	.1199		p. m.				
11:00	.04	.0001	.0011		12:00	11.6	.0308	.1478		12:00	.24	.0006	.0180	Jan. 31
p. m.										Jan. 18				
1:30	.04	.0001	.0014		p. m.					a. m.				
2:00	.05	.0001	.0015		12:30	8.44	.0224	.1611		12:00	.20	.0005	.0060	
3:00	.06	.0002	.0016		1:00	6.55	.0174	.1711		p. m.				
4:00	.07	.0002	.0018		:30	5.23	.0139	.1789		12:00	.16	.0004	.0108	Jan. 31
5:30	.09	.0002	.0021		2:00	4.38	.0117	.1853		a. m.				
6:30	.11	.0003	.0024		:30	3.80	.0101	.1908		2:00	.03	.0001	.0002	
7:30	.14	.0004	.0027		3:00	3.62	.0096	.1957		p. m.				
8:30	.16	.0004	.0031		:50	3.43	.0092	.2035		1:00	.03	.0001	.0013	
10:00	.20	.0005	.0039		4:30	3.12	.0083	.2093		7:00	.03	.0001	.0019	
12:00	.20	.0005	.0049		5:00	2.72	.0072	.2132		10:00	.03	.0001	.0022	
Jan. 15					6:00	2.16	.0057	.2196		12:00	.03	.0001	.0024	
a. m.					7:00	1.81	.0048	.2247		Feb. 1-4	.03	.0001	.0096	
4:00	.20	.0005	.0020		8:00	1.58	.0042	.2292		Feb. 5				
6:15	.22	.0006	.0031		9:00	1.37	.0036	.2331		a. m.				
:30	.22	.0006	.0033		:50	1.24	.0033	.2361		9:00	.02	.0001	.0009	
:40	.25	.0007	.0034		11:20	1.08	.0028	.2406		p. m.				
:50	.34	.0009	.0035		12:00	1.02	.0027	.2424		5:00	.03	.0001	.0017	
					Jan. 15					12:00	.03	.0001	.0024	
					a. m.					Jan. 19 <sup>1</sup>	.10	.0003	.0072	
					1:00	.93	.0025	.0026		Jan. 20 <sup>1</sup>	.09	.0002	.0048	
					2:30	.84	.0022	.0061		Jan. 21 <sup>1</sup>	.08	.0002	.0048	
										Jan. 22 <sup>1</sup>	.07	.0002	.0048	

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 6				Feb. 9				Feb. 12				Feb. 18			
a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches
6:30	0.03	0.0001	0.0007	5:00	0.40	0.0011	0.0065	2:00	0.84	0.0022	0.0048	3:00	0.34	0.0009	0.0027
:40	.03	.0001		:30	.50	.0013	.0071	3:40	.80	.0021	.0083	6:20	.34	.0009	.0057
7:00	.03	.0001	.0008	6:00	.53	.0014	.0078	4:00	.76	.0020	.0121	7:00	.34	.0009	.0063
:20	.03	.0001		7:00	.59	.0016	.0093	5:30	.73	.0019	.0159	8:00	.38	.0010	.0073
8:00	.04	.0001	.0009	:30	.65	.0017	.0101	10:00	.69	.0018	.0207	9:00	.45	.0012	.0084
:40	.04	.0001	.0010	8:00	.76	.0020	.0110	11:00	.69	.0018	.0225	10:00	.56	.0015	.0097
9:00	.05	.0001		:20	.80	.0021	.0117	:30	.73	.0019	.0234	11:00	.65	.0017	.0113
:30	.07	.0002	.0011	9:00	.98	.0026	.0132	12:00	.80	.0021	.0244	12:00	.84	.0022	.0133
:45	.08	.0002	.0012	:30	1.13	.0030	.0146								
10:00	.09	.0002	.0013	10:00	1.24	.0033	.0162	p. m.				p. m.			
:14	.11	.0003	.0014	11:00	1.51	.0040	.0198	12:30	.98	.0026	.0256	12:40	1.13	.0030	.0150
:30	.14	.0004	.0015	:15	1.58	.0042	.0208	1:00	1.24	.0033	.0271	1:00	1.30	.0035	.0161
11:00	.19	.0005	.0017	:30	1.58	.0042	.0219	:10	1.37	.0036	.0277	:40	1.65	.0044	.0188
:16	.20	.0005	.0018	12:00	1.44	.0038	.0239	2:00	1.81	.0048	.0312	2:00	1.73	.0046	.0203
12:00	.20	.0005	.0022					:30	1.89	.0050	.0337	:20	1.73	.0046	.0218
p. m.				Feb. 10				3:50	1.89	.0050	.0404	3:00	1.58	.0042	.0247
12:50	.22	.0006	.0026	a. m.				5:30	1.73	.0046	.0484	:15	1.51	.0040	.0257
1:00	.24	.0006	.0027	1:00	1.19	.0032	.0035	6:40	1.58	.0042	.0535	:40	1.51	.0040	.0274
:10	.25	.0007	.0028	2:00	1.08	.0028	.0065	10:20	1.13	.0030	.0667	4:00	1.44	.0038	.0287
:20	.30	.0008	.0029	3:00	.98	.0026	.0092	12:00	1.02	.0027	.0713	:40	1.30	.0035	.0311
:30	.40	.0011	.0031	4:00	.93	.0025	.0118	Feb. 13				5:00	1.30	.0035	.0323
2:00	.47	.0012	.0037	5:00	.93	.0025	.0143	a. m.				6:00	1.37	.0036	.0359
:20	.62	.0016	.0042	6:00	.93	.0025	.0168	2:00	.93	.0025	.0052	7:00	1.37	.0036	.0395
:27	.84	.0022	.0044	7:00	.89	.0024	.0193	7:00	.80	.0021	.0167	8:00	1.30	.0035	.0430
3:00	.98	.0026	.0057	:20	.89	.0024	.0201	9:30	.76	.0020	.0219	:20	1.30	.0035	.0442
:25	1.13	.0030	.0069	8:00	.93	.0025	.0217					9:40	1.24	.0033	.0487
:36	1.37	.0036	.0076	9:00	.98	.0026	.0243					11:00	1.19	.0032	.0531
4:00	1.58	.0042	.0092	10:00	.98	.0026	.0269	p. m.				12:00	1.24	.0033	.0563



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 21	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Feb. 28	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Mar. 2	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Mar. 6	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>a. m.</i>				<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>			
8:30-----	1.02	0.0027	0.0288	1:00-----	0.34	0.0009	0.0120	11:30-----	23.8	0.0633	0.3239	2:00-----	1.24	0.0033	0.0068
10:30-----	.97	.0026	.0342	5:30-----	.45	.0012	.0165	4:00-----	30.6	.0814	.3360	4:40-----	1.19	.0032	.0153
<i>p. m.</i>				6:30-----	.47	.0012	.0177	5:00-----	38.3	.102	.3512	6:30-----	1.13	.0030	.0210
12:30-----	1.02	.0027	.0394	7:40-----	.45	.0012	.0191	12:00-----	42.0	.112	.3691	9:00-----	1.08	.0028	.0283
2:20-----	1.19	.0032	.0449	12:00-----	.38	.0010	.0239					10:30-----	1.08	.0028	.0325
3:40-----	1.30	.0035	.0493					Mar. 3				12:00-----	1.13	.0030	.0369
5:20-----	1.30	.0035	.0551	Feb. 29				<i>a. m.</i>				<i>p. m.</i>			
6:00-----	1.24	.0033	.0574	<i>a. m.</i>				12:15-----	45.2	.120	.0290	2:30-----	1.08	.0028	.0442
8:00-----	1.08	.0028	.0636	4:00-----	.34	.0009	.0036	4:00-----	45.2	.120	.0790	6:30-----	1.02	.0027	.0550
12:00-----	.89	.0024	.0740	9:00-----	.34	.0009	.0081	1:00-----	47.2	.125	.1196	12:00-----	.93	.0025	.0693
				11:30-----	.34	.0009	.0104	2:00-----	49.9	.133	.1734				
Feb. 22				<i>p. m.</i>				2:00-----	45.2	.120	.2469	Mar. 7			
<i>a. m.</i>				1:00-----	.38	.0010	.0118	3:00-----	39.5	.105	.3029	<i>a. m.</i>			
5:30-----	.76	.0020	.0127	2:00-----	.47	.0012	.0129	5:00-----	34.1	.0907	.3355	7:00-----	.84	.0022	.0161
11:00-----	.69	.0018	.0232	3:00-----	.65	.0017	.0143	3:00-----	31.7	.0843	.3501	11:00-----	.84	.0022	.0249
<i>p. m.</i>				4:00-----	.80	.0021	.0162	4:00-----	26.7	.0710	.3759	<i>p. m.</i>			
2:00-----	.69	.0018	.0286	4:00-----	.84	.0022	.0176	4:00-----	23.0	.0612	.3979	12:30-----	.89	.0024	.0284
3:30-----	.73	.0019	.0315	6:00-----	.80	.0021	.0204	4:00-----	18.8	.0500	.4174	3:00-----	.84	.0022	.0342
5:00-----	.73	.0019	.0344	8:00-----	.69	.0018	.0242	5:00-----	15.0	.0399	.4399	12:00-----	.76	.0020	.0531
10:00-----	.65	.0017	.0434	12:00-----	.56	.0015	.0306	6:00-----	12.0	.0319	.4578				
12:00-----	.62	.0016	.0466					7:00-----	10.7	.0284	.4728	Mar. 8			
Feb. 23				Mar. 1				8:00-----	9.53	.0253	.4862	<i>a. m.</i>			
<i>a. m.</i>				<i>a. m.</i>				9:00-----	7.77	.0206	.5092	7:30-----	.69	.0018	.0143
6:30-----	.56	.0015	.0098	5:00-----	.47	.0012	.0065	10:00-----	7.16	.0191	.5291	<i>p. m.</i>			
7:30-----	.56	.0015	.0113	10:00-----	.42	.0011	.0120	10:30-----	6.55	.0174	.5473	3:30-----	.69	.0018	.0287
9:30-----	.53	.0014	.0143	12:00-----	.42	.0011	.0142		6.29	.0167	.5728	9:00-----	.62	.0016	.0380
11:30-----	.53	.0014	.0171	<i>p. m.</i>				12:30-----	6.29	.0167	.6062	12:00-----	.62	.0016	.0428
<i>p. m.</i>				12:30-----	.45	.0012	.0148	1:40-----	5.76	.0153	.6249				
1:00-----	.56	.0015	.0192	1:00-----	.50	.0013	.0154	3:20-----	6.55	.0174	.6522				
3:40-----	.69	.0018	.0237	3:00-----	.62	.0016	.0161	5:00-----	6.02	.0160	.6800				
5:00-----	.73	.0019	.0261	4:00-----	.89	.0024	.0171	5:00-----	8.07	.0214	.6831	Mar. 9			
6:40-----	.69	.0018	.0293	4:00-----	1.19	.0032	.0180	10:00-----	15.0	.0572	.6864	<i>a. m.</i>			
8:30-----	.62	.0016	.0324	2:00-----	1.51	.0040	.0192	11:00-----	22.3	.0593	.6912	2:00-----	.59	.0016	.0032
11:00-----	.59	.0016	.0364	3:00-----	1.81	.0048	.0207	1:00-----	27.2	.0724	.7131	5:30-----	.59	.0016	.0088
12:00-----	.59	.0016	.0380	4:00-----	2.48	.0066	.0264	3:00-----	28.2	.0750	.7376	8:30-----	.56	.0015	.0133
				4:00-----	2.48	.0066	.0286	7:50-----	25.6	.0681	.7734	11:30-----	.56	.0015	.0178
Feb. 24				5:00-----	2.37	.0063	.0329	8:00-----	24.5	.0651	.8753	<i>p. m.</i>			
<i>a. m.</i>				6:00-----	1.89	.0050	.0385	9:00-----	19.5	.0519	.9046	1:20-----	.59	.0016	.0205
3:00-----	.56	.0015	.0045	7:00-----	1.51	.0040	.0430	10:00-----	15.0	.0399	.9276	4:00-----	.56	.0015	.0248
<i>p. m.</i>				9:00-----	1.08	.0028	.0498	11:00-----	13.4	.0356	.9402	8:00-----	.53	.0014	.0308
1:30-----	.56	.0015	.0203	12:00-----	.84	.0022	.0573	12:00-----	16.9	.0450	.9670	11:00-----	.47	.0012	.0347
4:20-----	.65	.0017	.0248	Mar. 2				1:00-----	22.3	.0593	1.0018	12:00-----	.47	.0012	.0359
5:20-----	.69	.0018	.0266	<i>a. m.</i>				3:00-----	20.8	.0553	1.0209				
7:20-----	.65	.0017	.0300	5:00-----	.73	.0019	.0100	4:00-----	18.2	.0484	1.0469	Mar. 10			
11:00-----	.59	.0016	.0362	7:00-----	.69	.0018	.0138	12:00-----	14.4	.0383	1.0686	<i>a. m.</i>			
12:00-----	.56	.0015	.0378	8:00-----	.69	.0018	.0156					1:00-----	.45	.0012	.0012
Feb. 25				9:00-----	.73	.0019	.0168	Mar. 4				5:00-----	.45	.0012	.0060
<i>a. m.</i>				10:00-----	.80	.0021	.0175	<i>a. m.</i>				9:30-----	.40	.0011	.0110
8:00-----	.45	.0012	.0112	11:00-----	1.08	.0028	.0188	1:00-----	11.6	.0308	.0345	12:00-----	.42	.0011	.0138
<i>p. m.</i>				12:00-----	1.24	.0033	.0193	3:00-----	11.6	.0308	.0499				
1:00-----	.45	.0012	.0172	1:00-----	.65	.0014	.0206	4:00-----	11.2	.0298	.0651	<i>p. m.</i>			
3:00-----	.50	.0013	.0198	2:00-----	2.37	.0063	.0224	5:00-----	9.17	.0244	.0922	1:00-----	.45	.0012	.0150
6:00-----	.50	.0013	.0237	3:00-----	3.25	.0086	.0249	6:00-----	7.46	.0198	.1143	2:40-----	.53	.0014	.0171
8:00-----	.45	.0012	.0261	4:00-----	4.38	.0117	.0283	7:00-----	6.55	.0174	.1329	4:00-----	.53	.0014	.0190
12:00-----	.34	.0009	.0305	11:00-----	5.23	.0139	.0347	8:40-----	5.23	.0139	.1492	5:00-----	.50	.0013	.0203
				12:00-----	5.02	.0134	.0416	9:40-----	4.59	.0122	.1857	7:00-----	.47	.0012	.0229
Feb. 26				<i>p. m.</i>				10:00-----	4.17	.0111	.1974	9:10-----	.42	.0011	.0253
<i>a. m.</i>				1:00-----	4.38	.0117	.0541	11:00-----	3.80	.0101	.2115	12:00-----	.38	.0010	.0281
7:30-----	.32	.0009	.0068	2:00-----	4.17	.0111	.0655	12:30-----	3.43	.0092	.2259	Mar. 11			
<i>p. m.</i>				3:00-----	3.99	.0106	.0794	2:30-----	3.12	.0083	.2435	<i>a. m.</i>			
12:30-----	.34	.0009	.0113	4:00-----	3.80	.0106	.0862	4:40-----	2.85	.0076	.2609	1:30-----	.38	.0010	.0015
2:00-----	.38	.0010	.0128	5:00-----	3.99	.0106	.0930	6:00-----	2.72	.0072	.2708	2:30-----	.34	.0009	.0024
4:30-----	.38	.0010	.0153	6:00-----	3.99	.0106	.1041	7:00-----	2.72	.0072	.2780	<i>p. m.</i>			
10:00-----	.34	.0009	.0208	7:00-----	3.99	.0106	.1170	8:00-----	2.59	.0069	.2827	12:30-----	.34	.0009	.0114
12:00-----	.34	.0009	.0226	8:00-----	4.38	.0117	.1212	9:00-----	2.48	.0066	.2918	2:30-----	.42	.0011	.0134
Feb. 27				9:00-----	6.55	.0174	.1319	11:00-----	2.27	.0060	.3044	3:30-----	.42	.0011	.0145
<i>a. m.</i>				10:00-----	8.44	.0224	.1416	12:00-----	2.16	.0057	.3102	12:00-----	.32	.0009	.0230
7:00-----	.34	.0009	.0063	11:00-----	10.3	.0274	.1511	Mar. 5				Mar. 12			
11:00-----	.38	.0010	.0099	12:00-----	13.9	.0370	.1678	<i>a. m.</i>				<i>a. m.</i>			
<i>p. m.</i>				1:00-----	15.0	.0399	.1833	2:00-----	2.05	.0054	.0112	1:00-----	.30	.0008	.0008
3:00-----	.40	.0011	.0143	2:00-----	13.9	.0370	.1920	3:40-----	1.97	.0052	.0200	<i>p. m.</i>			
5:00-----	.38	.0010	.0163	3:00-----	11.2	.0298	.2044	5:00-----	1.89	.0050	.0268	12:50-----	.30	.0008	.0103
12:00-----	.38	.0010	.0233	4:00-----	9.53	.0253	.2102	6:40-----	1.81	.0048	.0350	1:30-----	.34	.0009	.0109
				5:00-----	7.46	.0198	.2133	8:20-----	1.73	.0046	.0428	3:00-----	.38	.0010	.0124
Feb. 28				6:00-----	6.55	.0174	.2219	10:30-----	1.65	.0044	.0525	4:00-----	.38	.0010	.0134
<i>a. m.</i>				7:00-----	12.0	.0319	.2353					6:30-----	.34	.0009	.0157
3:00-----	.34	.0009	.0030	8:00-----	18.2	.0484	.2439	<i>p. m.</i>				12:00-----	.34	.0009	.0207
7:00-----	.34	.0009	.0066	9:00-----	20.8	.0553	.2584	1:00-----	1.58	.0042	.0633	Mar. 13			
11:00-----	.34	.0009	.0102	10:00-----	23.0	.0612	.2820	4:00-----	1.51	.0040	.0756	<i>a. m.</i>			
				11:00-----	23.0	.0612	.2984	6:30-----	1.44	.0038	.0854	1:00-----	.34	.0009	.0099
				12:00-----	19.5	.0519	.3023	8:30-----	1.37	.0036	.0928				
					17.5	.0465	.3144	11:00-----	1.30	.0035	.1016				
					18.8	.0500		12:00-----	1.30	.0035	.1051				



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Mar. 13	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>	Mar. 18	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>	Mar. 25	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>	Mar. 30	<i>Second-feet</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>p. m.</i>			
1:00-----	0.38	0.0010	0.0119	10:00-----	2.37	0.0063	0.0677	4:00-----	0.30	0.0008	0.0032	1:30-----	1.89	0.0050	0.0255
3:30-----	.45	.0012	.0145	.50-----	2.05	.0054	.0726	8:30-----	.27	.0007	.0064	.45-----	2.59	.0069	.0270
6:30-----	.45	.0012	.0183	12:00-----	1.73	.0046	.0784	12:00-----	.24	.0006	.0089	2:00-----	3.80	.0101	.0291
8:00-----	.42	.0011	.0200									.20-----	5.02	.0134	.0330
12:00-----	.40	.0011	.0244	Mar. 19				<i>p. m.</i>				2:35-----	6.55	.0174	.0369
Mar. 14				<i>a. m.</i>				3:30-----	.29	.0008	.0114	3:00-----	7.77	.0206	.0448
<i>a. m.</i>				1:10-----	1.58	.0042	.0051	7:30-----	.29	.0008	.0146	.30-----	9.90	.0264	.0566
1:00-----	.40	.0011	.0011	2:30-----	1.44	.0038	.0104	9:00-----	.27	.0007	.0157	4:00-----	13.0	.0346	.0719
3:00-----	.38	.0010	.0033	4:10-----	1.30	.0035	.0164	10:00-----	.27	.0007	.0164	.15-----	13.9	.0370	.0809
4:00-----	.40	.0011	.0044	6:00-----	1.19	.0032	.0226	12:00-----	.20	.0005	.0176	.30-----	13.9	.0370	.0902
6:00-----	.40	.0011	.0066	8:00-----	1.08	.0028	.0286					5:00-----	12.5	.0332	.1078
8:00-----	.38	.0010	.0088	10:00-----	1.02	.0027	.0342	Mar. 26				.30-----	9.90	.0264	.1227
<i>p. m.</i>				12:00-----	.98	.0026	.0396	<i>a. m.</i>				6:00-----	7.77	.0206	.1345
8:00-----	.38	.0010	.0208	<i>p. m.</i>				2:00-----	.22	.0006	.0012	.30-----	6.29	.0167	.1439
9:00-----	.34	.0009	.0218	1:40-----	.93	.0025	.0439	4:00-----	.22	.0006	.0024	7:00-----	5.23	.0139	.1516
12:00-----	.34	.0009	.0245	3:00-----	.89	.0024	.0472	6:00-----	.20	.0005	.0036	.40-----	4.38	.0117	.1601
Mar. 15				4:30-----	.84	.0022	.0507	9:00-----	.20	.0005	.0061	8:20-----	3.62	.0096	.1672
<i>a. m.</i>				9:00-----	.80	.0021	.0602	<i>p. m.</i>				9:00-----	2.99	.0080	.1731
1:30-----	.34	.0009	.0014	12:00-----	.76	.0020	.0662	2:00-----	.27	.0007	.0079	.40-----	2.72	.0072	.1782
5:00-----	.32	.0009	.0046	Mar. 20				3:30-----	.30	.0008	.0091	11:00-----	2.27	.0060	.1870
7:00-----	.30	.0008	.0064	<i>a. m.</i>				6:00-----	.30	.0008	.0111	12:00-----	1.97	.0052	.1926
<i>p. m.</i>				9:00-----	.76	.0020	.0180	9:00-----	.27	.0007	.0132	Mar. 31			
1:00-----	.30	.0008	.0112	10:20-----	.73	.0019	.0205	12:00-----	.27	.0007	.0153	<i>a. m.</i>			
6:00-----	.32	.0009	.0157	11:40-----	.69	.0018	.0229	Mar. 27				1:00-----	1.89	.0050	.0051
10:00-----	.30	.0008	.0193	<i>p. m.</i>				<i>a. m.</i>				2:30-----	1.73	.0046	.0123
12:00-----	.30	.0008	.0209	2:00-----	.62	.0016	.0269	6:00-----	.25	.0007	.0042	3:30-----	1.65	.0044	.0168
Mar. 16				7:30-----	.59	.0016	.0357	9:00-----	.25	.0007	.0063	6:00-----	1.51	.0040	.0273
<i>a. m.</i>				9:00-----	.59	.0016	.0381	.30-----	.27	.0007	.0067	7:00-----	1.44	.0038	.0312
4:00-----	.30	.0008	.0032	12:00-----	.56	.0015	.0429	<i>p. m.</i>				.50-----	1.44	.0038	.0344
6:00-----	.24	.0006	.0046	Mar. 21				12:30-----	.27	.0007	.0088	9:40-----	1.58	.0042	.0417
.50-----	.27	.0007	.0052	<i>a. m.</i>				4:00-----	.30	.0008	.0116	10:00-----	1.58	.0042	.0431
7:30-----	.34	.0009	.0057	1:30-----	.53	.0014	.0023	6:00-----	.30	.0009	.0134	11:30-----	1.44	.0038	.0491
8:30-----	.34	.0009	.0066	4:00-----	.50	.0013	.0058	7:20-----	.34	.0009	.0146	<i>p. m.</i>			
12:00-----	.32	.0009	.0098	10:00-----	.50	.0013	.0136	8:00-----	.34	.0009	.0152	1:20-----	1.30	.0035	.0559
<i>p. m.</i>				<i>p. m.</i>				10:20-----	.45	.0012	.0178	3:10-----	1.19	.0032	.0621
2:30-----	.32	.0009	.0121	1:00-----	.59	.0016	.0181	11:00-----	.45	.0012	.0186	5:00-----	1.08	.0028	.0676
4:00-----	.38	.0010	.0135	3:30-----	.59	.0016	.0221	12:00-----	.40	.0011	.0197	6:30-----	1.02	.0027	.0717
5:00-----	.47	.0012	.0146	5:00-----	.56	.0015	.0245	Mar. 28				8:30-----	.98	.0026	.0769
6:30-----	.50	.0013	.0166	7:00-----	.53	.0014	.0275	<i>a. m.</i>				10:30-----	.93	.0025	.0819
10:00-----	.38	.0010	.0208	10:00-----	.53	.0014	.0317	1:00-----	.38	.0010	.0010	12:00-----	.89	.0024	.0855
12:00-----	.34	.0009	.0228	.50-----	.56	.0015	.0329	3:00-----	.34	.0009	.0028	<i>a. m.</i>			
Mar. 17				12:00-----	.56	.0015	.0346	6:30-----	.34	.0009	.0060	3:00-----	.89	.0024	.0072
<i>a. m.</i>				Mar. 22				11:00-----	.32	.0009	.0101	5:30-----	.84	.0022	.0130
8:00-----	.32	.0009	.0072	<i>a. m.</i>				<i>p. m.</i>				9:00-----	.80	.0021	.0204
11:00-----	.32	.0009	.0099	1:00-----	.56	.0015	.0015	1:00-----	.34	.0009	.0119	11:00-----	.80	.0021	.0246
12:00-----	.38	.0010	.0108	2:30-----	.53	.0014	.0038	5:00-----	.42	.0011	.0159	<i>p. m.</i>			
<i>p. m.</i>				7:00-----	.42	.0014	.0101	7:00-----	.42	.0011	.0181	1:00-----	.76	.0020	.0286
12:30-----	.47	.0012	.0114	8:30-----	.38	.0010	.0119	9:30-----	.38	.0010	.0206	3:00-----	.73	.0019	.0324
1:00-----	.62	.0016	.0121	<i>p. m.</i>				12:00-----	.34	.0009	.0231	4:00-----	.73	.0019	.0343
.30-----	.89	.0024	.0131	1:30-----	.45	.0012	.0174	Mar. 29				6:30-----	.69	.0018	.0388
2:00-----	1.08	.0028	.0144	5:00-----	.45	.0012	.0216	<i>a. m.</i>				9:00-----	.69	.0018	.0433
.30-----	1.24	.0033	.0159	6:00-----	.42	.0011	.0228	7:00-----	.34	.0009	.0063	12:00-----	.65	.0017	.0484
3:30-----	1.37	.0036	.0194	8:00-----	.40	.0011	.0270	10:00-----	.34	.0009	.0090	<i>a. m.</i>			
4:10-----	1.30	.005	.0235	11:00-----	.34	.0009	.0270	<i>p. m.</i>				5:00-----	.65	.0017	.0085
8:00-----	.93	.0025	.0335	12:00-----	.34	.0009	.0279	1:00-----	.42	.0011	.0120	8:00-----	.62	.0016	.0133
12:00-----	.76	.0020	.0423	Mar. 23				.30-----	.42	.0011	.0125	<i>p. m.</i>			
Mar. 18				<i>a. m.</i>				4:30-----	.34	.0009	.0155	2:00-----	.62	.0016	.0229
<i>a. m.</i>				3:30-----	.32	.0009	.0032	6:00-----	.34	.0009	.0169	3:30-----	.59	.0016	.0253
3:30-----	.65	.0017	.0067	5:00-----	.34	.0009	.0046	7:30-----	.34	.0009	.0183	6:30-----	.56	.0015	.0298
8:00-----	.59	.0016	.0139	9:30-----	.34	.0009	.0087	9:30-----	.32	.0009	.0201	12:00-----	.56	.0015	.0381
10:30-----	.59	.0016	.0179	12:00-----	.32	.0009	.0110	12:00-----	.32	.0009	.0224	Mar. 30			
<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>			
1:30-----	.65	.0017	.0227	1:30-----	.34	.0009	.0124	5:00-----	.32	.0009	.0045	4:00-----	.53	.0014	.0056
5:35-----	.69	.0018	.0301	9:30-----	.34	.0009	.0196	6:00-----	.34	.0009	.0054	<i>p. m.</i>			
5:40-----	.69	.0018	.0302	12:00-----	.32	.0009	.0219	.30-----	1.13	.0030	.0064	12:30-----	.53	.0014	.0175
6:00-----	.80	.0021	.0308	Mar. 24				7:00-----	.50	.0013	.0075	2:00-----	.53	.0015	.0198
.15-----	1.08	.0028	.0314	<i>a. m.</i>				.30-----	.62	.0016	.0083	.10-----	.59	.0016	.0201
.30-----	1.51	.0040	.0323	3:00-----	.29	.0008	.0024	8:00-----	.76	.0020	.0192	.15-----	.69	.0018	.0202
.45-----	2.16	.0057	.0335	6:30-----	.29	.0008	.0052	.30-----	.98	.0026	.0104	.30-----	.89	.0024	.0207
.50-----	2.59	.0069	.0340	8:30-----	.30	.0008	.0068	9:00-----	1.13	.0030	.0118	.50-----	.89	.0024	.0215
7:00-----	3.43	.0092	.0354	<i>p. m.</i>				.45-----	1.24	.0033	.0142	3:00-----	1.02	.0027	.0219
.10-----	5.02	.0134	.0373	12:00-----	.30	.0008	.0192	10:30-----	1.30	.0035	.0168	.10-----	1.19	.0032	.0224
.30-----	6.02	.0160	.0422	Mar. 25				11:45-----	1.19	.0032	.0194	.25-----	1.24	.0033	.0232
8:00-----	5.02	.0134	.0496	12:00-----	.30	.0008	.0192	12:00-----	1.13	.0030	.0202	.40-----	1.44	.0038	.0241
.30-----	3.99	.0106	.0556					<i>p. m.</i>				4:00-----	1.37	.0036	.0253
9:00-----	3.12	.0083	.0604					12:20-----	1.13	.0030	.0212	.30-----	1.19	.0032	.0270
.30-----	2.72	.0072	.0643					.40-----	1.19	.0032	.0222	5:00-----	1.02	.0027	.0285
								1:00-----	1.37	.0036	.0233	6:00-----	.84	.0022	.0310
												.20-----	.98	.0026	.0318



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Apr. 3				Apr. 8				Apr. 12				Apr. 16			
p. m.				p. m.				a. m.				p. m.			
6:40	0.98	0.0026	0.0327	2:30	1.37	0.0036	0.0391	12:20	16.3	0.0433	0.0159	8:30	0.80	0.0021	0.0534
7:00	1.08	0.0028	0.0336	4:00	1.19	0.0032	0.0442	4:00	13.4	0.0356	0.0290	12:00	.76	.0020	.0604
7:40	1.24	0.0033	0.0356	5:00	1.08	0.0028	0.0472	1:00	11.6	0.0308	0.0401				
8:00	1.19	0.0032	0.0367	6:30	.98	0.0026	0.0513	1:30	9.90	0.0264	0.0544	Apr. 17			
9:00	1.02	0.0027	0.0397	8:30	.89	0.0024	0.0563	2:00	8.44	0.0224	0.0666	a. m.			
10:30	.89	0.0024	0.0436	9:40	.84	0.0022	0.0590	3:00	7.46	0.0198	0.0772	4:00	.76	.0020	.0080
12:00	.84	0.0022	0.0471	12:00	.80	0.0021	0.0639	4:00	6.55	0.0174	0.0865	10:00	.73	.0019	.0200
Apr. 4				Apr. 9				5:00	5.23	0.0139	0.1021				
a. m.				a. m.				6:00	4.59	0.0122	0.1151	p. m.			
1:00	.80	.0021	.0022	2:30	.80	.0021	.0053	7:00	3.99	0.0106	0.1265	1:35	.73	.0019	.0268
3:00	.76	.0020	.0064	4:30	.76	.0020	.0093	8:00	3.62	0.0096	0.1366	4:00	.80	.0021	.0270
5:20	.73	.0019	.0111	7:30	.73	.0019	.0153	9:00	3.12	0.0083	0.1457	5:00	.80	.0021	.0274
8:00	.69	.0018	.0162	9:30	.69	.0018	.0189	1:00	2.99	0.0080	0.1541	5:55	.89	.0024	.0276
9:30	.69	.0018	.0189					3:00	2.99	0.0080	0.1582	6:00	.89	.0024	.0286
11:30	.65	.0017	.0225					5:00	2.85	0.0076	0.1699	7:20	1.02	.0027	.0321
p. m.				Apr. 10				6:30	2.72	0.0072	0.1775	8:00	.89	.0024	.0382
1:00	.59	.0016	.0251	a. m.				8:00	2.48	0.0066	0.1855	9:20	.89	.0024	.0414
3:10	.53	.0014	.0283	8:00	.53	.0014	.0120	10:00	2.27	0.0060	0.1937	10:20	1.19	.0032	.0470
9:00	.53	.0014	.0365	12:00	.53	.0014	.0176	11:20	2.05	0.0054	0.2019	12:00	1.08	.0028	.0500
12:00	.50	.0013	.0407					12:00	1.97	0.0052	0.2086		.98	.0026	.0545
Apr. 5								Apr. 13				Apr. 18			
a. m.								a. m.				a. m.			
5:30	.50	.0013	.0072					1:40	1.81	0.0048	.0083	2:00	.98	.0026	.0052
8:30	.47	.0012	.0111					4:00	1.65	0.0044	.0190	3:30	1.08	.0028	.0092
12:00	.45	.0012	.0153					6:00	1.58	0.0042	.0276	5:30	1.13	.0030	.0150
p. m.								9:00	1.58	0.0042	.0402	7:30	1.02	.0027	.0206
1:30	.42	.0011	.0171					12:00	1.65	0.0044	.0531	9:30	.98	.0026	.0258
4:00	.40	.0011	.0199									12:00	.93	.0025	.0323
12:00	.40	.0011	.0287					Apr. 14							
Apr. 6								a. m.				p. m.			
a. m.								1:00	1.30	0.0035	.0036	1:00	.89	.0024	.0347
6:00	.38	.0010	.0060					2:00	1.24	0.0033	.0087	4:30	.80	.0021	.0424
9:30	.38	.0010	.0095					3:00	1.13	0.0030	.0199	10:00	.76	.0020	.0534
11:00	.40	.0011	.0112					4:00	1.08	0.0028	.0243	12:00	.76	.0020	.0574
p. m.								5:00	1.08	0.0028	.0277				
4:00	.34	.0009	.0162					6:00	1.08	0.0028	.0327	Apr. 19			
12:00	.34	.0009	.0234					7:30	1.08	0.0028	.0377	a. m.			
Apr. 7								10:30	1.19	0.0032	.0337	5:00	.76	.0020	.0100
p. m.												8:00	.84	.0022	.0163
2:00	.34	.0009	.0126					Apr. 15				9:30	.80	.0021	.0196
4:00	.34	.0009	.0128					a. m.				10:40	.80	.0021	.0220
5:00	.38	.0010	.0135					1:00	1.02	0.0027	.0027	11:00	.80	.0021	.0227
6:00	.38	.0010	.0145					2:30	.93	0.0025	.0235	12:00	.84	.0022	.0241
7:00	.40	.0011	.0156					3:00	.93	0.0025	.0247		.89	.0024	.0249
8:00	.42	.0011	.0162					4:00	.98	0.0026	.0277				
9:00	.42	.0011	.0168					5:00	.98	0.0026	.0303				
10:00	.53	.0014	.0176					6:00	.98	0.0026	.0330				
11:00	.56	.0015	.0185					7:00	.98	0.0026	.0357				
12:00	.56	.0015	.0199					8:00	.98	0.0026	.0384				
Apr. 8								9:00	.98	0.0026	.0411				
a. m.								10:00	.98	0.0026	.0445				
1:00	.65	.0017	.0016					11:00	.98	0.0026	.0479				
2:00	.65	.0017	.0022					12:00	.98	0.0026	.0513				
3:00	.62	.0016	.0034												
4:00	.59	.0016	.0050												
5:00	.59	.0016	.0059												
6:00	.65	.0017	.0066												
7:00	.89	.0024	.0086												
8:00	.89	.0024	.0108												
9:00	1.08	.0028	.0113												
10:00	1.08	.0028	.0135												
11:00	.98	.0026	.0147												
12:00	1.19	.0032	.0162												
Apr. 9															
a. m.															
1:00	1.44	.0038	.0180												
2:00	1.51	.0040	.0193												
3:00	1.44	.0038	.0200												
4:00	1.24	.0033	.0235												
5:00	1.13	.0030	.0266												
6:00	1.08	.0028	.0276												
7:00	1.19	.0032	.0296												
8:00	1.58	.0042	.0301												
9:00	1.58	.0042	.0332												
10:00	1.58	.0042	.0346												



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Apr. 19				Apr. 21				Apr. 29				May 6			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
11:20	72.1	0.192	0.4315	5:30	3.43	0.0092	0.0769	6:00	0.40	0.0011	0.0060	7:00	4.38	0.0117	0.0101
:30	72.1	.192	.4635	7:00	3.25	.0086	.0903	10:00	.40	.0011	.0104	:05	2.72	.0072	.0109
:40	72.9	.194	.4957	8:30	2.99	.0080	.1028					:10	2.16	.0057	.0114
:50	75.5	.201	.5287	10:00	2.85	.0076	.1145	<i>p. m.</i>				:14	1.81	.0048	.0118
12:00	74.6	.198	.5620	11:30	2.59	.0069	.1253	6:00	.34	.0009	.0184	:20	2.48	.0066	.0124
Apr. 20								12:00	.34	.0009	.0238	:22	3.80	.0101	.0127
<i>a. m.</i>				<i>p. m.</i>								:25	6.29	.0167	.0134
12:10	68.8	.183	.0316	1:00	2.37	.0063	.1352	Apr. 30				:28	9.17	.0244	.0144
:20	62.7	.167	.0608	2:00	2.27	.0060	.1414	<i>a. m.</i>				:30	11.6	.0308	.0153
:30	55.4	.147	.0870	4:20	2.16	.0057	.1549	4:00	.36	.0009	.0036	:34	13.9	.0370	.0176
:40	49.2	.131	.1102	5:20	2.05	.0054	.1605	12:00	.36	.0009	.0108	:50	9.17	.0244	.0258
:50	44.6	.118	.1308	6:50	1.97	.0052	.1685					8:00	6.85	.0182	.0294
1:00	40.8	.108	.1496	7:15	2.16	.0057	.1708					:20	4.38	.0117	.0344
:20	34.1	.0907	.1827	10:00	1.97	.0052	.1856	<i>p. m.</i>				:40	2.85	.0076	.0376
:40	29.1	.0774	.2107	:20	1.89	.0050	.1873	6:00	.32	.0009	.0162	9:00	2.16	.0057	.0398
2:00	25.6	.0681	.2350	11:40	1.81	.0048	.1938	12:00	.32	.0009	.0216	:30	1.73	.0046	.0424
:20	21.5	.0572	.2559	12:00	1.89	.0050	.1954					10:00	1.44	.0038	.0445
:40	18.8	.0500	.2738	Apr. 22				May 1				:30	1.24	.0033	.0464
3:00	16.3	.0433	.2893	<i>a. m.</i>				<i>a. m.</i>				11:00	1.08	.0028	.0479
:20	13.9	.0370	.3027	2:00	1.73	.0046	.0096	7:00	.34	.0009	.0063	12:00	.89	.0024	.0505
:40	12.5	.0332	.3144	3:00	1.73	.0046	.0142	9:00	.34	.0009	.0081	May 7			
4:00	11.6	.0308	.3251	6:30	1.58	.0042	.0296	11:00	.36	.0009	.0099	<i>a. m.</i>			
:20	10.7	.0284	.3350	10:00	1.58	.0042	.0443	12:00	.39	.0010	.0109	1:00	.76	.0020	.0022
:40	9.90	.0264	.3441	11:00	1.51	.0040	.0484					2:20	.65	.0017	.0046
5:00	9.17	.0244	.3526	<i>p. m.</i>				<i>p. m.</i>				3:30	.59	.0016	.0065
:20	8.80	.0234	.3606	2:00	1.30	.0035	.0598	2:00	.40	.0011	.0129	5:00	.53	.0014	.0088
:40	8.80	.0234	.3684	4:30	1.19	.0032	.0683	4:00	.38	.0010	.0149	6:40	.47	.0012	.0110
:50	8.80	.0234	.3723	9:30	1.13	.0030	.0838	7:00	.34	.0009	.0179	9:00	.42	.0011	.0136
6:00	9.17	.0244	.3763	10:00	1.19	.0032	.0854	11:00	.32	.0009	.0215	11:40	.38	.0010	.0163
:20	9.17	.0244	.3844	12:00	1.19	.0032	.0918	12:00	.32	.0009	.0224	<i>p. m.</i>			
:40	9.90	.0264	.3929	Apr. 23				May 2				2:00	.34	.0009	.0184
:45	10.7	.0284	.3952	<i>a. m.</i>				<i>a. m.</i>				5:00	.32	.0009	.0211
:50	12.0	.0319	.3977	6:00	1.08	.0028	.0180	6:00	.32	.0009	.0054	10:00	.30	.0008	.0251
7:00	17.5	.0465	.4042	9:30	1.08	.0028	.0278	<i>p. m.</i>				12:00	.30	.0008	.0267
:05	23.8	.0633	.4088	<i>p. m.</i>				5:00	.30	.0008	.0063	May 8			
:10	28.2	.0750	.4146	3:30	.93	.0025	.0434	12:00	.30	.0008	.0119	<i>a. m.</i>			
:15	33.5	.0890	.4214	6:00	.89	.0024	.0494					2:00	.29	.0008	.0016
:20	38.9	.103	.4294	10:00	.89	.0024	.0590	May 3				9:30	.27	.0007	.0069
:25	43.9	.117	.4386	12:00	.84	.0022	.0636	<i>a. m.</i>				<i>p. m.</i>			
:30	47.2	.125	.4487	Apr. 24				3:00	.34	.0009	.0024	12:30	.25	.0007	.0090
:40	49.9	.133	.4702	<i>a. m.</i>				8:30	.34	.0009	.0074	2:30	.24	.0006	.0102
:50	49.9	.133	.4924	5:00	.84	.0022	.0110	12:00	.32	.0009	.0106	4:30	.22	.0005	.0112
8:00	47.2	.125	.5139	9:00	.80	.0021	.0198	<i>p. m.</i>				8:30	.22	.0005	.0132
:20	43.3	.115	.5539	<i>p. m.</i>				12:00	.30	.0008	.0138	12:00	.24	.0006	.0150
:40	37.1	.0986	.5896	4:00	.69	.0018	.0338	May 4				<i>a. m.</i>			
:50	34.1	.0907	.6054	7:00	.65	.0017	.0392	<i>a. m.</i>				5:30	.24	.0006	.0033
9:00	31.7	.0843	.6200	10:00	.69	.0018	.0446	4:00	.30	.0008	.0032	8:30	.22	.0005	.0048
:20	27.2	.0724	.6461	12:00	.65	.0017	.0482	10:00	.29	.0008	.0032	11:00	.20	.0005	.0061
:40	23.8	.0633	.6687	Apr. 25				<i>p. m.</i>				<i>p. m.</i>			
:50	22.3	.0593	.6789	<i>a. m.</i>				3:00	.25	.0007	.0109	5:00	.16	.0004	.0085
10:00	22.3	.0593	.6888	4:00	.69	.0018	.0338	6:00	.24	.0006	.0130	9:30	.16	.0004	.0103
:20	22.3	.0593	.7086	7:00	.65	.0017	.0392	12:00	.24	.0006	.0166	12:00	.18	.0005	.0113
:40	22.3	.0593	.7284	10:00	.69	.0018	.0446	May 5				<i>a. m.</i>			
:50	22.3	.0593	.7383	12:00	.65	.0017	.0482	<i>a. m.</i>				10:00	.18	.0005	.0050
11:00	21.5	.0572	.7480	Apr. 26 <sup>1</sup>	.53	.0014	.0336	5:00	.24	.0006	.0030	<i>p. m.</i>			
:20	19.5	.0519	.7662	Apr. 27				1:00	.22	.0006	.0078	1:30	.15	.0004	.0068
:40	18.2	.0484	.7829	<i>a. m.</i>				7:00	.19	.0005	.0108	3:30	.14	.0004	.0076
12:00	17.5	.0465	.7987	12:00	.50	.0013	.0168	12:00	.19	.0005	.0133	6:00	.13	.0003	.0084
<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				10:00	.14	.0004	.0100
12:20	16.9	.0450	.8140	6:00	.45	.0012	.0240	4:00	.20	.0005	.0020	12:00	.14	.0004	.0108
:40	15.0	.0399	.8281	12:00	.45	.0012	.0312	11:00	.20	.0005	.0055	<i>a. m.</i>			
1:00	13.9	.0370	.8409	Apr. 28				<i>p. m.</i>				2:00	.15	.0004	.0008
:20	13.0	.0346	.8528	<i>a. m.</i>				1:30	.19	.0005	.0068	10:00	.15	.0004	.0040
:35	13.0	.0346	.8614	2:00	.59	.0016	.0241	3:30	.18	.0005	.0078	12:00	.14	.0004	.0048
2:00	12.5	.0332	.8755	5:00	.56	.0015	.0289	6:40	.16	.0004	.0091	<i>p. m.</i>			
3:00	10.7	.0284	.9063	12:00	.53	.0014	.0387	:47	.18	.0005	.0092	1:00	.13	.0003	.0051
4:00	9.17	.0244	.9327	Apr. 29				:49	.24	.0006		5:00	.11	.0003	.0063
5:00	8.44	.0224	.9561	<i>p. m.</i>				:50	.34	.0009		7:00	.11	.0003	.0069
6:00	7.16	.0191	.9769	6:30	.38	.0010	.0214	:51	.53	.0014		11:00	.12	.0003	.0081
7:00	6.55	.0174	.9951	12:00	.38	.0010	.0269	:52	.80	.0021		12:00	.12	.0003	.0084
:30	6.29	.0167	1.0036	Apr. 30				:53	1.13	.0030	.0093	May 12			
8:20	6.02	.0160	1.0173	<i>a. m.</i>				:54	1.51	.0040	.0094	<i>a. m.</i>			
9:20	6.55	.0174	1.0340	6:00	.45	.0012	.0240	:56	2.16	.0057	.0096	2:00	.13	.0003	.0006
10:00	5.76	.0153	1.0449	12:00	.45	.0012	.0312	:58	3.25	.0086	.0098				
11:00	5.02	.0134	1.0593	Apr. 21											
12:00	4.81	.0128	1.0724	<i>p. m.</i>											
Apr. 21				6:00	.45	.0012	.0240								
<i>a. m.</i>				12:00	.45	.0012	.0312								
12:30	4.59	.0122	.0063	Apr. 28											
1:40	4.38	.0117	.0203	<i>a. m.</i>											
:50	4.59	.0122	.0343	11:00	.45	.0012	.0132								
2:15	6.55	.0174	.0405	<i>p. m.</i>											
:20	6.29	.0167	.0419	6:30	.38	.0010	.0214								
:30	5.23	.0139	.0445	12:00	.38	.0010	.0269								
:50	4.59	.0122	.0488												
3:10	4.59	.0122	.0529												
:55	4.17	.0111	.0616												
4:00	3.80	.0101	.0625												

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 23.—Run-off from watershed 20, 1940— Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches		
May 12					May 18					May 24					May 28										
p. m.					p. m.					a. m.					p. m.										
1:00	0.13	0.0003	0.0059		10:30	0.09	0.0002	0.0056		6:30	0.76	0.0020	0.0059		6:30	0.16	0.0004	0.0086							
3:00	.12	.0003	.0045		12:00	.09	.0002	.0059		5:00	.93	.0025	.0066		12:00	.16	.0004	.0108							
4:30	.11	.0003	.0050							7:00	1.13	.0030	.0071												
9:30	.11	.0003	.0065		May 19					2:00	1.58	.0042	.0083		May 29										
12:00	.12	.0003	.0073		a. m.					3:00	2.16	.0057	.0091		a. m.										
May 13					3:00	.10	.0002	.0006		5:00	2.99	.0080	.0114		11:00	.16	.0004	.0044							
a. m.					10:30	.10	.0002	.0021		8:00	3.12	.0083	.0128		p. m.										
7:00	.13	.0003	.0021		12:00	.09	.0002	.0024		1:00	3.12	.0083	.0142		12:30	.15	.0004	.0050							
11:00	.12	.0003	.0033							5:00	2.37	.0063	.0190		3:40	.13	.0003	.0060							
p. m.					2:35	.08	.0002	.0029		9:00	2.48	.0066	.0201		4:50	.13	.0003	.0064							
5:00	.10	.0002	.0051		5:00	.09	.0002	.0030		3:00	3.62	.0096	.0233		5:00	.13	.0003	.0065							
7:00	.10	.0002	.0055		3:00	.10	.0003	.0031		10:00	4.17	.0111	.0277		3:00	.16	.0004	.0067							
3:00	.12	.0003	.0056		2:00	.12	.0003	.0033		2:25	6.02	.0160	.0333		6:00	.18	.0005	.0070							
8:20	.12	.0003	.0058		4:10	.13	.0003	.0035		11:00	5.49	.0146	.0422		3:00	.18	.0005	.0073							
9:30	.14	.0004	.0063		4:00	.15	.0004	.0038		1:00	5.49	.0146	.0446		3:00	.19	.0005	.0074							
10:30	.13	.0003	.0066		5:10	.19	.0005	.0043		2:00	5.76	.0153	.0471		4:00	.25	.0007	.0077							
12:00	.13	.0003	.0071		6:20	.15	.0004	.0045		4:45	5.76	.0153	.0535		4:00	.32	.0009	.0079							
May 14					5:00	.15	.0004	.0045		12:00	6.85	.0182	.0577		4:00	.38	.0010	.0075							
a. m.					8:30	.13	.0003	.0052							4:00	.56	.0015	.0076							
8:00	.13	.0003	.0024		10:00	.12	.0003	.0057		12:20	8.44	.0224	.0645		5:00	.69	.0018	.0076							
11:00	.12	.0003	.0033		12:00	.11	.0003	.0063		4:00	11.2	.0298	.0732		7:00	.56	.0015	.0079							
p. m.					May 20					1:00	10.3	.0274	.0827		1:00	.47	.0012	.0081							
12:30	.11	.0003	.0038		a. m.					3:00	6.85	.0182	.0941		3:00	.42	.0011	.0085							
3:30	.10	.0002	.0047		1:00	.11	.0003	.0003		2:00	5.02	.0134	.1020		4:00	.47	.0012	.0087							
6:00	.09	.0002	.0052		8:00	.10	.0003	.0024		2:00	4.59	.0122	.1063		5:00	.62	.0016	.0089							
9:00	.09	.0002	.0058		9:00	.10	.0003	.0027		3:00	4.59	.0122	.1083		8:00	.65	.0017	.0092							
12:00	.10	.0002	.0064		11:40	.10	.0002	.0032		3:15	6.02	.0160	.1189		1:00	.65	.0017	.0095							
May 15										4:00	4.17	.0153	.1228		2:25	.59	.0016	.0099							
a. m.					p. m.					5:00	2.72	.0072	.1344		4:00	.62	.0016	.0109							
2:00	.10	.0002	.0004		2:40	.08	.0002	.0038		3:00	2.37	.0063	.1418		5:00	.45	.0012	.0117							
5:00	.10	.0003	.0013		5:30	.08	.0002	.0044		6:00	2.05	.0054	.1448		10:00	.45	.0012	.0122							
11:00	.10	.0003	.0031		12:00	.08	.0002	.0057		7:00	1.73	.0046	.1498		1:00	.45	.0012	.0125							
5:00	.10	.0003	.0034		May 21					8:00	1.51	.0040	.1541		11:00	.47	.0012	.0134							
12:00	.13	.0003	.0034		a. m.					9:00	1.30	.0035	.1579		12:00	.56	.0015	.0141							
p. m.					3:30	.08	.0002	.0007		10:20	1.13	.0030	.1618			.62	.0016	.0149							
12:30	.16	.0004	.0036		11:30	.08	.0002	.0023		11:20	1.02	.0027	.1647		May 30										
1:00	.20	.0005	.0038							12:00	.98	.0026	.1664		a. m.										
2:00	.27	.0007	.0044		p. m.					May 25					12:20	.62	.0016	.0005							
3:00	.29	.0008	.0045		1:30	.08	.0002	.0027		a. m.					4:00	.69	.0018	.0011							
3:05	.29	.0008	.0046		4:20	.07	.0002	.0033		1:20	.89	.0024	.0033		1:00	.65	.0017	.0017							
3:40	.24	.0006	.0052		7:30	.07	.0002	.0039		3:00	.80	.0021	.0070		2:00	.62	.0016	.0022							
4:00	.27	.0007	.0056		10:30	.07	.0002	.0045		5:10	.73	.0019	.0113		3:00	.65	.0017	.0026							
4:40	.24	.0006	.0062		12:00	.07	.0002	.0048		7:30	.65	.0017	.0155		4:00	.73	.0019	.0028							
6:00	.19	.0005	.0070		May 22					9:20	.62	.0016	.0186		5:00	.73	.0019	.0031							
7:20	.16	.0004	.0075		a. m.					11:00	.59	.0016	.0213		2:00	.80	.0021	.0034							
8:00	.15	.0004	.0078		9:30	.07	.0002	.0018							3:00	.84	.0022	.0039							
9:30	.14	.0004	.0084		p. m.					12:20	.56	.0015	.0233		4:00	.84	.0022	.0045							
11:00	.13	.0003	.0089		2:00	.06	.0002	.0028		1:40	.53	.0014	.0253		5:00	.89	.0024	.0049							
12:00	.13	.0003	.0092		4:00	.06	.0001	.0032		4:00	.47	.0012	.0283		6:00	.73	.0016	.0050							
May 16					12:00	.06	.0001	.0040		5:40	.45	.0012	.0306		7:00	.62	.0016	.0056							
a. m.					May 23					8:00	.42	.0011	.0334		8:00	.62	.0016	.0060							
8:00	.12	.0003	.0024							12:00	.40	.0011	.0378		9:00	.59	.0016	.0063							
11:30	.11	.0003	.0035		p. m.					May 26					10:00	.59	.0016	.0066							
p. m.					a. m.					a. m.					11:20	.59	.0016	.0069							
2:30	.12	.0003	.0044		6:00	.06	.0002	.0006		5:00	.38	.0010	.0050			.62	.0016	.0071							
7:00	.13	.0003	.0058							6:30	.38	.0010	.0065		3:00	.59	.0016	.0074							
9:00	.14	.0004	.0066		p. m.					9:40	.34	.0009	.0093		4:00	.59	.0016	.0077							
12:00	.13	.0003	.0075		1:40	.06	.0002	.0021		11:20	.34	.0009	.0108		5:00	.59	.0016	.0080							
May 17					2:00	.06	.0002	.0022							6:00	.59	.0016	.0083							
a. m.					3:00	.07	.0002	.0025		p. m.					7:00	.62	.0016	.0086							
1:30	.13	.0003	.0005		4:00	.07	.0002	.0026		12:20	.32	.0009	.0117		8:00	.59	.0016	.0089							
6:00	.12	.0003	.0019		5:00	.08	.0002	.0028		1:00	.32	.0009	.0123		9:00	.59	.0016	.0092							
12:00	.11	.0003	.0037		6:00	.08	.0002	.0029		4:00	.30	.0008	.0129		10:00	.59	.0016	.0095							
p. m.					7:00	.08	.0002	.0031		5:00	.29	.0008	.0141		11:00	.59	.0016	.0098							
2:00	.11	.0003	.0043		8:00	.08	.0002	.0033		6:00	.27	.0007	.0153		12:00	.59	.0016	.0101							
12:00	.10	.0003	.0073		11:00	.08	.0002	.0045		7:00	.29	.0008	.0166			.62	.0016	.0104							
May 18					12:00	.09	.0002	.0047		8:00	.29	.0008	.0210		May 27										
a. m.					May 24					a. m.					a. m.										
4:00	.11	.0003	.0012		a. m.					7:00	.27	.0007	.0056		7:00	.27	.0007	.0056							
11:00	.10	.0003	.0033		12:																				



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
May 31				June 7				June 10				June 11			
<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
1:00	1.97	0.0052	0.0057	1:30	0.16	0.0004	0.0006	1:05	0.15	0.0004	0.0073	9:00	1.81	0.0048	0.2399
2:40	1.73	.0046	.0139	5:00	.18	.0005	.0019	:07	.15	.0004		10:30	1.65	.0044	.2468
4:30	1.51	.0040	.0238	10:00	.18	.0005	.0044	:10	.16	.0004		12:00	1.51	.0040	.2531
6:00	1.37	.0036	.0295	11:40	.16	.0004	.0050	:13	.22	.0006					
8:00	1.24	.0033	.0363					:15	.29	.0008		June 12			
10:00	1.19	.0032	.0427	<i>p. m.</i>				:16	.40	.0011	.0074	<i>a. m.</i>			
12:00	1.08	.0028	.0487	1:20	.18	.0005	.0057	:18	.59	.0016		2:00	1.44	.0038	.0078
				2:10	.19	.0005	.0061	:19	.84	.0022	.0075	3:30	1.37	.0036	.0134
<i>p. m.</i>				5:00	.19	.0005	.0076	:20	1.37	.0036	.0076	5:10	1.30	.0035	.0194
1:30	1.02	.0027	.0528	7:00	.18	.0005	.0086	:21	2.16	.0057	.0078	7:00	1.24	.0033	.0256
3:40	.93	.0025	.0584	12:00	.18	.0005	.0111	:24	5.23	.0139	.0083	8:30	1.19	.0032	.0306
4:40	.89	.0024	.0608					:25	7.77	.0206	.0086	10:00	1.08	.0028	.0351
7:00	.84	.0022	.0662	June 8				:27	14.4	.0383	.0096	11:20	1.02	.0027	.0388
8:00	.84	.0022	.0684	<i>a. m.</i>				:28	22.3	.0593	.0104				
12:00	.80	.0021	.0768	7:00	.18	.0005	.0035	:30	30.6	.0814	.0127				
				9:10	.20	.0005	.0046	:32	34.1	.0907	.0155	<i>p. m.</i>			
June 1				12:00	.18	.0005	.0060	:36	41.4	.110	.0322	12:10	.98	.0026	.0410
<i>a. m.</i>								:43	34.1	.0907	.0439	:40	1.08	.0028	.0424
4:00	.76	.0020	.0080	<i>p. m.</i>				:50	34.1	.0907	.0545	:45	1.08	.0028	.0426
6:00	.76	.0020	.0120	2:00	.15	.0004	.0068	:53	34.7	.0922	.0591	1:00	1.37	.0036	.0434
10:00	.73	.0019	.0196	:35	.15	.0004	.0070	2:00	43.3	.115	.0712	:10	1.73	.0048	.0441
12:00	.69	.0018	.0232	3:00	.18	.0005	.0072	:05	49.9	.133	.0815	:15	2.27	.0060	.0445
				:20	.18	.0005	.0074	:10	51.9	.138	.0928	:18	3.25	.0086	.0449
<i>p. m.</i>				4:00	.16	.0004	.0078	:20	43.9	.117	.1141	:24	4.81	.0128	.0460
2:00	.65	.0017	.0266	:15	.18	.0005	.0079	:25	38.9	.103	.1232	:40	3.80	.0101	.0491
3:00	.62	.0016	.0282	:20	.20	.0005	.0080	:30	34.1	.0907	.1312	2:00	2.59	.0069	.0519
12:00	.59	.0016	.0426	:27	.27	.0007	.0080	:40	26.1	.0694	.1445	:30	1.89	.0050	.0549
				:30	.34	.0009	.0081	:50	19.5	.0519	.1546	3:00	1.58	.0042	.0572
June 2				:31	.45	.0012	.0081	3:00	13.9	.0370	.1620	:50	1.30	.0035	.0604
<i>a. m.</i>				:35	.59	.0016	.0082	:20	10.3	.0274	.1727	5:00	1.13	.0030	.0642
6:00	.56	.0015	.0096	:50	.45	.0012	.0085	:40	9.53	.0253	.1815	6:20	1.02	.0027	.0681
8:00	.56	.0015	.0126	5:00	.38	.0010	.0086	4:00	8.07	.0214	.1893	7:20	.98	.0026	.0707
10:30	.53	.0014	.0161	:15	.34	.0009	.0088	:30	6.85	.0182	.1992	8:48	.98	.0026	.0745
				:20	.40	.0011	.0089	5:00	5.02	.0131	.2250	:50	.98	.0026	.0746
<i>p. m.</i>				:25	.53	.0014	.0090	6:00	3.80	.0101	.2308	9:00	1.02	.0027	.0751
1:20	.47	.0012	.0198	:30	.65	.0017	.0091	3:00	2.99	.0080	.2354	:09	1.08	.0028	.0755
4:30	.42	.0011	.0236	:35	.65	.0017	.0092	7:00	2.27	.0069	.2392	:12	1.30	.0035	.0757
6:00	.40	.0011	.0253	:55	.62	.0016	.0097	:15	2.16	.0057	.2439	:15	1.30	.0035	.0759
8:00	.40	.0011	.0275	6:15	.73	.0019	.0103	:30	2.05	.0054	.2453	:32	1.30	.0035	.0769
12:00	.42	.0011	.0319	:30	.65	.0017	.0109	8:40	1.89	.0050	.2514	10:00	1.65	.0044	.0787
				7:00	.50	.0013	.0117	9:10	1.81	.0048	.2539	:06	1.73	.0046	.0792
June 3				:30	.40	.0011	.0123	10:00	1.58	.0042	.2576	:13	2.37	.0063	.0798
<i>a. m.</i>				8:00	.34	.0009	.0128	11:00	1.44	.0038	.2616	:20	3.12	.0083	.0807
8:00	.40	.0011	.0088	9:00	.30	.0008	.0137	12:00	1.30	.0035	.2652	:48	2.48	.0066	.0832
10:30	.40	.0011	.0106	10:00	.27	.0007	.0144					11:15	1.81	.0048	.0865
				11:30	.24	.0006	.0155	June 11				12:00	1.51	.0040	.0898
<i>p. m.</i>				12:00	.22	.0006	.0158	<i>a. m.</i>				June 13			
3:30	.32	.0009	.0156	June 9				1:50	1.13	.0030	.0060	<i>a. m.</i>			
5:00	.30	.0008	.0170	<i>a. m.</i>				3:40	1.02	.0027	.0113	1:00	1.37	.0036	.0038
8:00	.30	.0006	.0191	12:40	.22	.0006	.0004	4:20	1.02	.0027	.0122	2:40	1.24	.0033	.0096
12:00	.32	.0009	.0219	2:10	.24	.0006	.0013	5:00	1.08	.0028	.0141	4:00	1.19	.0032	.0139
				3:30	.29	.0008	.0022	6:10	1.08	.0028	.0174	5:30	1.13	.0030	.0186
June 4				4:10	.29	.0008	.0027	7:30	.98	.0026	.0210	7:00	1.08	.0028	.0230
<i>a. m.</i>				:30	.32	.0009	.0030	9:40	.89	.0024	.0248	:40	1.08	.0028	.0249
9:30	.32	.0009	.0086	6:00	.27	.0007	.0034	11:30	.80	.0021	.0290	9:20	1.02	.0027	.0266
11:00	.30	.0008	.0098	7:40	.24	.0006	.0046					10:30	.98	.0026	.0326
<i>p. m.</i>				10:30	.20	.0005	.0063	<i>p. m.</i>				12:00	.89	.0024	.0364
3:00	.24	.0006	.0126	12:00	.19	.0005	.0071	12:12	.76	.0020	.0304				
4:30	.22	.0006	.0134					:15	.76	.0020	.0305	<i>p. m.</i>			
7:30	.22	.0006	.0152	<i>p. m.</i>				:50	.76	.0020	.0317	1:40	.80	.0021	.0402
12:00	.25	.0007	.0184	3:50	.14	.0004	.0086	1:00	.84	.0022	.0321	4:00	.73	.0019	.0449
				:57	.14	.0004		:08	.89	.0024	.0324	6:40	.69	.0018	.0497
June 5				4:00	.14	.0004	.0087	:15	1.19	.0032	.0327	12:00	.73	.0019	.0598
<i>a. m.</i>				:15	.18	.0005	.0088	:18	1.58	.0042	.0329	June 14			
10:30	.25	.0007	.0074	:20	.24	.0006		:20	2.05	.0054	.0331	<i>a. m.</i>			
<i>p. m.</i>				:28	.29	.0008	.0089	:23	3.25	.0086	.0335	8:00	.69	.0018	.0144
12:30	.22	.0006	.0088	:40	.25	.0007	.0091	:25	4.81	.0128	.0338	9:40	.65	.0017	.0172
4:00	.16	.0004	.0106	5:00	.22	.0006	.0093	:27	7.46	.0198	.0343				
5:30	.15	.0004	.0112	:20	.22	.0006	.0095	:29	12.0	.0319	.0352	<i>p. m.</i>			
7:00	.15	.0004	.0118	:30	.24	.0006	.0096	:32	18.2	.0484	.0372	3:00	.53	.0014	.0252
10:30	.18	.0005	.0131	:40	.30	.0008	.0097	:34	23.0	.0612	.0390	4:50	.50	.0013	.0276
12:00	.19	.0005	.0139	6:00	.34	.0009	.0100	:35	35.9	.0955	.0403	6:50	.59	.0016	.0304
				:18	.50	.0013	.0103	:37	42.2	.113	.0437	7:40	.62	.0016	.0317
June 6				7:00	.38	.0010	.0111	:46	34.7	.0922	.0591	9:00	.59	.0016	.0338
<i>a. m.</i>				8:00	.29	.0008	.0120	:52	36.5	.0971	.0686	12:00	.56	.0015	.0383
3:00	.20	.0005	.0015	9:00	.25	.0007	.0127	2:00	42.6	.113	.0839				
10:00	.20	.0005	.0050	10:20	.22	.0006	.0136	:10	45.9	.122	.1053	June 15			
11:30	.19	.0005	.0058	:40	.22	.0006	.0138	:30	34.1	.0907	.1407	<i>a. m.</i>			
				12:00	.25	.0007	.0146	:40	27.7	.0736	.1544	6:00	.56	.0015	.0090
<i>p. m.</i>				June 10				:50	22.3	.0593	.1655	9:00	.53	.0014	.0132
3:30	.14	.0004	.0082	<i>a. m.</i>				3:00	16.9	.0450	.1742	11:00	.50	.0013	.0158
5:00	.13	.0003	.0087	1:00	.29	.0008	.0007	:20	10.7	.0284	.1864				
7:00	.13	.0003	.0093	:30	.27	.0007	.0011	:40	8.07	.0214	.1947	<i>p. m.</i>			
10:30	.15	.0004	.0104	2:40	.27	.0007	.0019	4:00	6.29	.0167	.2011	2:00	.42	.0011	.0194
12:00	.15	.0004	.0110	4:30	.24	.0006	.0030	:30	4.59	.0122	.2084	4:20	.38	.0010	.0220
				7:00	.20	.0005	.0045	5:00	3.80	.0101	.2140	7:40	.38	.0010	.0253
				10:30	.18	.0005	.0063	6:00	2.72	.0072	.2227	8:20	.40	.0011	.0282
								7:00	2.27	.0060	.2293	10:00	.42	.0011	.0280
								:15	2.16	.0057	.2308	12:00	.42	.0011	.0302
								8:00	1.97	.0052	.2349				



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by day
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 16				June 19				June 24				June 28			
a. m.				a. m.				a. m.				a. m.			
6:00-----	0.40	0.0011	0.0066	1:40-----	1.89	0.0050	0.0088	8:30-----	0.76	0.0020	0.0237	8:08-----	44.6	0.118	0.0288
9:00-----	.38	.0010	.0096	3:20-----	1.73	.0046	.0168	9:30-----	.73	.0019	.0256	:12-----	47.2	.125	.0309
				5:00-----	1.58	.0042	.0263	12:00-----	.73	.0019	.0304	:16-----	61.2	.163	.0465
p. m.				8:00-----	1.44	.0032	.0356					:18-----	78.9	.210	.0526
2:40-----	.30	.0008	.0147	10:30-----	1.30	.0035	.0439	p. m.				:20-----	101	.268	.0605
3:30-----	.30	.0008	.0154	12:00-----	1.19	.0032	.0489	1:00-----	.69	.0018	.0322	:23-----	120	.319	.0752
5:30-----	.29	.0008	.0170					3:00-----	.59	.0016	.0356	:27-----	117	.312	.0964
7:00-----	.29	.0008	.0182	p. m.				4:40-----	.53	.0014	.0381	:30-----	99.1	.264	.1108
9:30-----	.30	.0008	.0202	1:20-----	1.08	.0028	.0529	6:20-----	.47	.0012	.0403	:32-----	92.0	.244	.1192
12:00-----	.30	.0008	.0322	2:40-----	.98	.0026	.0565	12:00-----	.45	.0012	.0471	:40-----	80.7	.214	.1497
				4:00-----	.89	.0024	.0598					:50-----	68.8	.183	.1830
June 17				:50-----	.84	.0022	.0617	June 25				9:00-----	56.8	.151	.2109
a. m.				6:20-----	.80	.0021	.0649	a. m.				:05-----	59.0	.157	.2237
6:00-----	.32	.0009	.0054	12:00-----	.76	.0020	.0762	3:00-----	.45	.0012	.0036	:08-----	76.3	.203	.2327
10:00-----	.30	.0008	.0086	June 20				9:00-----	.42	.0011	.0108	:12-----	97.1	.258	.2482
12:00-----	.30	.0008	.0102	a. m.				11:00-----	.40	.0011	.0130	:16-----	111	.295	.2668
				2:00-----	.76	.0020	.0040					:21-----	114	.303	.2916
p. m.				6:00-----	.73	.0019	.0116	p. m.				:26-----	140	.372	.3196
1:20-----	.29	.0008	.0113	9:30-----	.69	.0018	.0179	3:00-----	.34	.0009	.0170	:30-----	153	.407	.3457
3:20-----	.27	.0007	.0127					5:20-----	.34	.0009	.0191	:32-----	184	.489	.3605
12:00-----	.27	.0007	.0188	p. m.				6:40-----	.34	.0009	.0203	:34-----	208	.553	.3777
				2:00-----	.53	.0014	.0251	7:00-----	.38	.0010	.0206	:40-----	184	.489	.4298
June 18				5:00-----	.47	.0012	.0290	:05-----	.38	.0010	.0207	:44-----	165	.439	.4609
a. m.				12:00-----	.47	.0012	.0374	:15-----	.47	.0012	.0209	:46-----	133	.354	.4740
7:40-----	.29	.0008	.0061	June 21				:20-----	.69	.0018	.0210	:50-----	115	.306	.4961
8:00-----	.34	.0009	.0064	a. m.				:24-----	.76	.0020	.0211	:55-----	94.0	.250	.5191
:15-----	.38	.0010	.0066	9:00-----	.47	.0012	.0108	:34-----	.69	.0018	.0214	10:00-----	80.7	.214	.5384
:45-----	.42	.0011	.0071					:50-----	.53	.0014	.0218	:10-----	65.0	.173	.5708
9:00-----	.47	.0012	.0074	p. m.				8:00-----	.53	.0014	.0220	:20-----	55.4	.147	.5975
:20-----	.62	.0016	.0079	4:30-----	.38	.0010	.0191	:15-----	.73	.0019	.0224	:30-----	47.8	.127	.6204
10:00-----	.80	.0021	.0091	12:00-----	.38	.0010	.0266	:40-----	.80	.0021	.0232	:40-----	43.9	.117	.6408
:30-----	.93	.0025	.0103	June 22				:54-----	1.13	.0030	.0238	:50-----	39.5	.105	.6595
11:00-----	.93	.0025	.0116	a. m.				9:30-----	.80	.0021	.0254	11:00-----	35.3	.0939	.6761
:10-----	.98	.0026	.0120	8:00-----	.40	.0011	.0080	10:00-----	.65	.0017	.0263	:20-----	28.2	.0736	.7040
:30-----	1.24	.0033	.0130	11:30-----	.38	.0010	.0119	:50-----	.56	.0015	.0276	:40-----	22.3	.0593	.7261
:40-----	1.19	.0032	.0136					11:30-----	.53	.0014	.0286	12:00-----	16.9	.0450	.7435
:50-----	1.19	.0032	.0141	p. m.				12:00-----	.50	.0013	.0293				
12:00-----	1.37	.0036	.0147	2:00-----	.34	.0009	.0142	June 26				p. m.			
				3:30-----	.34	.0009	.0156	a. m.				12:40-----	11.6	.0308	.7688
p. m.				5:30-----	.38	.0010	.0174	1:40-----	.47	.0012	.0022	1:00-----	9.90	.0264	.7783
12:20-----	1.58	.0042	.0160	12:00-----	.34	.0009	.0233	3:30-----	.45	.0012	.0044	:20-----	8.80	.0234	.7866
:30-----	1.51	.0040	.0167	June 23				6:00-----	.42	.0011	.0072	2:00-----	7.16	.0198	.8008
:50-----	1.73	.0046	.0181	a. m.				11:00-----	.40	.0011	.0127	:30-----	6.02	.0160	.8098
1:00-----	1.58	.0042	.0188	10:30-----	.34	.0009	.0095	12:00-----	.38	.0010	.0137	3:00-----	5.23	.0139	.8173
:20-----	1.24	.0033	.0200									:40-----	4.38	.0117	.8259
:40-----	.98	.0026	.0210	p. m.								4:30-----	3.62	.0096	.8347
2:00-----	.84	.0022	.0218	12:20-----	.34	.0009	.0111					5:50-----	2.99	.0080	.8464
3:00-----	.62	.0016	.0237	2:30-----	.30	.0008	.0128					7:20-----	2.59	.0069	.8624
:34-----	.56	.0015	.0245	4:30-----	.29	.0008	.0144					8:40-----	2.37	.0063	.8712
:40-----	.56	.0015	.0247	8:23-----	.29	.0008	.0178					10:20-----	2.16	.0057	.8812
:45-----	.76	.0020	.0248	:28-----	.34	.0009	.0179					12:00-----	1.97	.0052	.8902
:47-----	1.02	.0027	.0249	:30-----	.53	.0014	.0204					June 29			
:49-----	1.65	.0044	.0250	:31-----	.69	.0018	.0224					a. m.			
:50-----	2.27	.0060	.0251	:32-----	.89	.0024	.0245					1:30-----	1.89	.0050	.0077
:52-----	3.62	.0096	.0254	:33-----	1.13	.0030	.0263					3:50-----	1.73	.0046	.0189
:53-----	12.0	.0319	.0258	:35-----	1.65	.0044	.0286					5:20-----	1.65	.0044	.0257
:54-----	20.1	.0535	.0265	:36-----	2.37	.0063	.0317					7:00-----	1.58	.0022	.0312
:55-----	30.0	.0798	.0276	:38-----	3.25	.0086	.0343					8:30-----	1.51	.0040	.0359
:58-----	37.7	.100	.0321	:40-----	5.49	.0146	.0385					10:40-----	1.37	.0036	.0441
:59-----	45.2	.120	.0340	:43-----	7.46	.0198	.0434								
4:00-----	55.4	.147	.0363	:45-----	7.16	.0191	.0459					p. m.			
:03-----	65.0	.173	.0443	:50-----	11.6	.0308	.0524					12:50-----	1.30	.0035	.0519
:05-----	65.0	.173	.0500	:57-----	9.17	.0244	.0566					3:00-----	1.19	.0032	.0588
:10-----	71.2	.190	.0650	9:00-----	9.53	.0253	.0589					5:20-----	1.08	.0028	.0658
:15-----	82.5	.219	.0819	:06-----	10.7	.0284	.0628					7:30-----	1.02	.0027	.0716
:20-----	97.1	.258	.1017	:10-----	13.4	.0356	.0681					10:00-----	.98	.0026	.0784
:26-----	121	.322	.1307	:15-----	19.5	.0519	.0833					12:00-----	.98	.0026	.0836
:29-----	116	.309	.1465	:23-----	26.1	.0694	.0944					June 30			
:33-----	97.1	.258	.1655	:40-----	16.3	.0433	.0594					a. m.			
:40-----	78.0	.208	.1928	:50-----	11.2	.0298	.0655					2:30-----	.93	.0025	.0063
:45-----	66.5	.177	.2088	10:00-----	8.44	.0224	.0699					5:00-----	.89	.0024	.0123
:50-----	58.3	.155	.2226	:15-----	6.85	.0182	.0750					7:00-----	.89	.0024	.0171
5:00-----	45.9	.122	.2456	:40-----	5.23	.0139	.0817					9:40-----	.84	.0022	.0233
:10-----	37.7	.100	.2646	11:00-----	4.17	.0111	.0859					12:00-----	.76	.0020	.0282
:20-----	31.7	.0834	.2798	:30-----	2.59	.0069	.0904					p. m.			
:30-----	27.7	.0710	.2928	12:00-----	1.97	.0052	.0934					2:30-----	.69	.0018	.0330
:50-----	18.8	.0500	.3129	June 24								3:30-----	.69	.0018	.0348
6:00-----	15.6	.0415	.3205	a. m.								4:00-----	.69	.0018	.0357
:30-----	10.3	.0274	.3377	12:30-----	1.65	.0044	.0024					5:00-----	.73	.0019	.0376
7:00-----	7.46	.0198	.3495	1:00-----	1.44	.0038	.0045					6:00-----	.80	.0021	.0396
:30-----	6.02	.0160	.3585	2:00-----	1.19	.0032	.0080					7:00-----	.98	.0026	.0420
8:05-----	4.81	.0128	.3669	3:10-----	1.02	.0027	.0114					8:00-----	1.08	.0028	.0447
9:00-----	3.62	.0096	.3772	4:50-----	.93	.0025	.0157					9:00-----	1.13	.0030	.0476
10:00-----	2.85	.0076	.3858	7:00-----	.80	.0021	.0207					:40-----	1.02	.0027	.0496
:50-----	2.48	.0066	.3875									10:30-----	1.02	.0027	.0518
12:00-----	2.16	.0057	.3946									11:00-----	1.37	.0036	.0534
												:20-----	1.97	.0052	.0549



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 30	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	July 6	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	July 14	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	July 20	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>			
11:30-----	2.59	0.0069	0.0559	10:00-----	0.40	0.0011	0.0110	6:00-----	0.22	0.0006	0.0030	1:00-----	0.03	0.0001	0.0001
4:00-----	4.17	.0111	.0574					11:00-----	.22	.0006	.0060	.25-----	.04	.0001	
5:00-----	6.85	.0182	.0599	<i>p. m.</i>								2:40-----	.04	.0001	.0002
12:00-----	10.7	.0284	.0638	12:30-----	.38	.0010	.0135	<i>p. m.</i>				3:20-----	.03	.0001	.0003
				4:00-----	.34	.0009	.0170	2:00-----	.20	.0005	.0078	4:00-----	.04	.0001	.0004
July 1				9:00-----	.34	.0009	.0215	5:00-----	.18	.0005	.0093	6:00-----	.04	.0001	.0006
<i>a. m.</i>				12:00-----	.34	.0009	.0242	12:00-----	.18	.0005	.0128	10:00-----	.04	.0001	.0010
12:10-----	12.0	.0319	.0050	July 7				July 15				<i>p. m.</i>			
2:00-----	14.4	.0383	.0109	<i>a. m.</i>				<i>a. m.</i>				1:00-----	.04	.0001	.0013
3:20-----	16.3	.0433	.0191	9:00-----	.38	.0010	.0081	4:00-----	.19	.0005	.0020	2:30-----	.03	.0001	.0014
4:40-----	15.0	.0399	.0274	12:00-----	.34	.0009	.0108	8:00-----	.20	.0005	.0040	3:30-----	.03	.0001	.0015
1:00-----	12.0	.0319	.0370	<i>p. m.</i>				<i>p. m.</i>				6:00-----	.03	.0001	.0018
1:10-----	11.6	.0308	.0422	2:00-----	.34	.0009	.0126	1:00-----	.19	.0005	.0065	7:50-----	.03	.0001	.0020
2:00-----	9.9	.0264	.0470	4:00-----	.32	.0009	.0144	2:30-----	.18	.0005	.0073	8:00-----	.03	.0001	
3:00-----	9.17	.0244	.0512	6:00-----	.30	.0008	.0162	4:00-----	.16	.0004	.0079	.15-----	.04	.0001	
4:00-----	8.44	.0224	.0551	10:00-----	.30	.0008	.0194	7:00-----	.15	.0004	.0091	.30-----	.04	.0001	
2:00-----	7.77	.0206	.0623	12:00-----	.32	.0009	.0212	9:40-----	.15	.0004	.0101	.45-----	.05	.0001	
2:20-----	6.55	.0174	.0686	July 8				10:40-----	.16	.0004	.0105	9:00-----	.04	.0001	.0021
4:00-----	6.02	.0160	.0742	<i>a. m.</i>				11:00-----	.18	.0005	.0106	.30-----	.06	.0001	.0022
3:00-----	5.49	.0146	.0793	5:00-----	.34	.0009	.0045	.20-----	.20	.0005	.0108	10:00-----	.06	.0001	
4:20-----	5.23	.0139	.0840	8:00-----	.34	.0009	.0072	12:00-----	.20	.0005	.0111	.10-----	.04	.0001	
4:40-----	4.81	.0128	.0885	12:00-----	.32	.0009	.0108	July 16				.25-----	.04	.0001	
4:00-----	3.99	.0106	.0924	<i>p. m.</i>				<i>a. m.</i>				.45-----	.04	.0001	.0023
2:00-----	3.62	.0096	.0958	6:00-----	.30	.0008	.0156	12:40-----	.20	.0005	.0003	11:00-----	.04	.0001	
3:35-----	3.25	.0086	.0981	12:00-----	.29	.0008	.0204	1:00-----	.22	.0006	.0005	.20-----	.05	.0001	.0024
5:00-----	2.85	.0076	.1015	July 9 <sup>1</sup>	.29	.0008	.0192	4:00-----	.25	.0007	.0009	12:00-----	.05	.0001	
6:00-----	2.37	.0063	.1085	July 10				7:40-----	.22	.0006	.0028	July 21			
7:00-----	2.05	.0054	.1143	<i>a. m.</i>				8:00-----	.20	.0005	.0030	<i>a. m.</i>			
8:00-----	1.89	.0050	.1195	12:00-----	.30	.0008	.0096	.20-----	.18	.0005	.0032	1:00-----	.05	.0001	.0001
9:20-----	1.73	.0046	.1259	<i>p. m.</i>				.32-----	.15	.0004	.0033	2:00-----	.04	.0001	.0002
10:00-----	1.65	.0044	.1289	6:00-----	.32	.0009	.0150	.44-----	.14	.0004	.0034	8:00-----	.04	.0001	.0008
11:00-----	1.58	.0042	.1332	12:00-----	.34	.0009	.0204	.90-----	.13	.0003	.0035	9:00-----	.04	.0001	.0009
12:00-----	1.44	.0038	.1372	July 11				.15-----	.11	.0003	.0036	<i>p. m.</i>			
<i>p. m.</i>				<i>a. m.</i>				.40-----	.10	.0002	.0037	3:00-----	.04	.0001	.0015
1:00-----	1.30	.0035	.1408	4:00-----	.32	.0009	.0036	11:00-----	.10	.0002	.0040	5:00-----	.04	.0001	.0017
2:20-----	1.19	.0032	.1453	12:00-----	.30	.0008	.0108	<i>p. m.</i>				8:20-----	.03	.0001	.0020
5:00-----	1.08	.0028	.1533	July 12				1:00-----	.08	.0002	.0044	.30-----	.04	.0001	
10:00-----	1.02	.0027	.1668	<i>a. m.</i>				3:00-----	.08	.0002	.0048	.40-----	.04	.0001	
12:00-----	.98	.0026	.1722	4:00-----	.32	.0009	.0036	4:00-----	.07	.0002	.0050	10:00-----	.03	.0001	
July 2				12:00-----	.30	.0008	.0108	7:00-----	.07	.0002	.0056	.40-----	.03	.0001	.0021
<i>a. m.</i>				<i>p. m.</i>				12:00-----	.07	.0002	.0066	11:30-----	.03	.0001	.0022
7:00-----	.93	.0025	.0175	4:00-----	.30	.0008	.0140	July 17				12:00-----	.02	.0001	.0023
10:00-----	.89	.0024	.0250	5:00-----	.32	.0009	.0148	<i>a. m.</i>				July 22			
11:00-----	.84	.0022	.0273	6:00-----	.34	.0009	.0157	3:00-----	.07	.0002	.0006	<i>a. m.</i>			
12:00-----	.80	.0021	.0294	3:00-----	.34	.0009	.0161	8:00-----	.08	.0002	.0016	1:00-----	.02		.0001
<i>p. m.</i>				.40-----	.38	.0010	.0162	<i>p. m.</i>				.20-----	.02	.0001	
2:00-----	.76	.0020	.0336	.46-----	.42	.0011	.0163	1:00-----	.07	.0002	.0026	.40-----	.02		
5:00-----	.73	.0019	.0393	.52-----	.47	.0012	.0164	4:30-----	.06	.0002	.0033	.52-----	.02	.0001	
7:00-----	.69	.0018	.0431	7:00-----	.47	.0012	.0165	9:00-----	.06	.0001	.0038	.30-----	.03	.0001	
12:00-----	.73	.0019	.0521	.24-----	.47	.0012	.0170	12:00-----	.06	.0001	.0041	.20-----	.03	.0001	
July 3				.44-----	.45	.0012	.0174	July 18				4:00-----	.04	.0001	.0002
<i>a. m.</i>				.50-----	.47	.0012	.0175	<i>a. m.</i>				5:00-----	.03	.0001	.0003
3:00-----	.73	.0019	.0057	.53-----	.47	.0012	.0177	3:00-----	.06	.0002	.0006	8:00-----	.03	.0001	.0006
8:00-----	.69	.0018	.0147	.15-----	.47	.0012	.0186	8:00-----	.07	.0002	.0016	12:00-----	.03	.0001	.0010
11:00-----	.65	.0017	.0201	.40-----	.45	.0012	.0190	<i>p. m.</i>				<i>p. m.</i>			
12:00-----	.62	.0016	.0217	9:00-----	.42	.0011	.0196	1:30-----	.06	.0002	.0029	2:50-----	.03	.0001	.0013
<i>p. m.</i>				10:00-----	.40	.0011	.0202	3:00-----	.05	.0001	.0030	3:00-----	.03	.0001	
1:00-----	.59	.0016	.0233	4:00-----	.32	.0009	.0020	6:00-----	.05	.0001	.0033	.05-----	.04	.0001	
3:00-----	.56	.0015	.0265	12:00-----	.29	.0008	.0084	10:00-----	.04	.0001	.0037	.10-----	.04	.0001	
6:00-----	.53	.0014	.0307	July 13				12:00-----	.05	.0001	.0039	.20-----	.05	.0001	
12:00-----	.53	.0014	.0405	<i>a. m.</i>				July 19				.40-----	.06	.0002	
July 4				4:00-----	.32	.0009	.0020	<i>a. m.</i>				.40-----	.06	.0002	
<i>a. m.</i>				9:00-----	.30	.0008	.0060	3:00-----	.05	.0001	.0003	.34-----	.10	.0002	
10:00-----	.53	.0014	.0140	12:00-----	.29	.0008	.0084	8:00-----	.06	.0001	.0008	.46-----	.11	.0003	
12:00-----	.50	.0013	.0168	<i>p. m.</i>				12:00-----	.05	.0001	.0012	.52-----	.14	.0004	
<i>p. m.</i>				3:00-----	.27	.0007	.0108	July 20				5:00-----	.15	.0004	
1:00-----	.47	.0012	.0180	6:00-----	.25	.0007	.0129	<i>p. m.</i>				.10-----	.18	.0005	.0014
4:00-----	.45	.0012	.0216	12:00-----	.24	.0006	.0165	3:30-----	.04	.0001	.0016	.13-----	.20	.0005	
8:00-----	.42	.0011	.0260	July 21				6:00-----	.09	.0001	.0019	.16-----	.24	.0006	
12:00-----	.45	.0012	.0308	<i>a. m.</i>				8:15-----	.04	.0001	.0022	.18-----	.27	.0007	
July 5				3:00-----	.22	.0006	.0078	.25-----	.03	.0001		.22-----	.30	.0008	
<i>a. m.</i>				6:00-----	.20	.0005	.0088	.40-----	.03	.0001		.34-----	.32	.0009	.0016
8:00-----	.45	.0012	.0096	9:00-----	.19	.0005	.0108	9:25-----	.02	.0001	.0023	.48-----	.38	.0010	.0018
10:00-----	.45	.0012	.0156	12:00-----	.20	.0005	.0123	10:45-----	.02	.0001	.0024	.50-----	.42	.0011	.0020
<i>p. m.</i>				July 22				11:30-----	.03	.0001	.0025	.30-----	.34	.0009	.0025
1:00-----	.42	.0011	.0189	<i>p. m.</i>				12:00-----	.03	.0001	.0026	.50-----	.38	.0010	.0028
2:30-----	.40	.0011	.0205	3:00-----	.22	.0006	.0078	July 23				7:00-----	.38	.0010	.0030
4:30-----	.38	.0010	.0238	6:00-----	.20	.0005	.0088	<i>a. m.</i>							
9:00-----	.38	.0010	.0283	9:00-----	.19	.0005	.0108	1:00-----	.03	.0001	.0003				
12:00-----	.40	.0011	.0313	12:00-----	.20	.0005	.0123	2:00-----	.03	.0001	.0004				

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
July 22															
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	July 23				July 26				July 29			
7:20	0.34	0.0009	0.0033	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
:40	.30	.0008	.0036	9:20	4.59	0.0122	0.0471	8:00	0.08	0.0002	0.0016	3:00	0.07	0.0002	0.0030
8:00	.27	.0007	.0039	:28	3.25	.0086	.0488	11:00	.08	.0002	.0022	6:00	.08	.0002	.0036
:26	.24	.0006	.0042	:40	2.27	.0060	.0503					12:00	.08	.0002	.0048
:32	.29	.0008	.0043	:50	1.73	.0046	.0512	<i>p. m.</i>				July 30			
9:00	.30	.0008	.0047	10:00	1.44	.0038	.0519	2:00	.07	.0002	.0028	<i>a. m.</i>			
:08	.30	.0008	.0048	:12	1.19	.0032	.0526	4:00	.06	.0002	.0032	5:00	.09	.0002	.0010
:24	.27	.0007	.0050	:24	.98	.0026	.0532	5:20	.06	.0002	.0034	9:00	.10	.0002	.0018
:44	.24	.0006	.0052	:36	.89	.0024	.0537	6:20	.06	.0002	.0036	:12	.10	.0002	
10:00	.24	.0006	.0053	:46	.80	.0021	.0541	7:00	.07	.0002	.0038	:18	.08	.0002	
:20	.25	.0007	.0055	11:00	.73	.0019	.0546	:30	.07	.0002	.0039	:24	.06	.0002	
:40	.25	.0007	.0058	:12	.65	.0017	.0549	:50	.08	.0002	.0040	10:00	.06	.0002	.0019
11:00	.24	.0006	.0060	:24	.58	.0016	.0552	:56	.10	.0003		<i>p. m.</i>			
:30	.20	.0005	.0062	:44	.53	.0014	.0557	8:00	.15	.0004		2:00	.05	.0001	.0023
12:00	.18	.0005	.0065	12:00	.47	.0012	.0560	:01	.22	.0006		5:00	.05	.0001	.0026
July 23															
<i>a. m.</i>				<i>a. m.</i>								<i>a. m.</i>			
1:00	.15	.0004	.0004	12:30	.42	.0011	.0005	:02	.30	.0008		2:00	.05	.0001	.0023
2:00	.13	.0003	.0007	1:00	.38	.0010	.0010	:03	.40	.0011		5:00	.05	.0001	.0026
3:00	.12	.0003	.0010	2:00	.34	.0009	.0020	:04	.53	.0014		6:40	.04	.0001	.0028
4:00	.11	.0003	.0013	3:00	.30	.0008	.0028	:05	.73	.0019		8:00	.04	.0001	.0029
6:00	.10	.0002	.0017	4:00	.27	.0007	.0036	:06	1.30	.0035	.0041	10:00	.04	.0001	.0031
9:00	.09	.0002	.0023	5:00	.24	.0006	.0043	:07	1.73	.0046	.0043	12:00	.04	.0001	.0033
11:00	.08	.0002	.0027	6:00	.20	.0005	.0048	:08	2.27	.0060	.0050	July 31			
12:00	.08	.0002	.0029	:40	.19	.0005	.0051	:10	3.25	.0086	.0061	<i>a. m.</i>			
<i>p. m.</i>															
12:15	.08	.0002		7:30	.18	.0005	.0055	:24	2.05	.0054	.0065	2:00	.04	.0001	.0002
:20	.11	.0002		8:20	.16	.0004	.0059	:26	1.97	.0052	.0067	6:00	.04	.0001	.0006
:24	.14	.0004		10:00	.15	.0004	.0065	:32	2.27	.0060	.0073	8:00	.05	.0001	.0008
:28	.19	.0005		12:00	.13	.0003	.0073	:38	2.27	.0060	.0079	<i>p. m.</i>			
:32	.34	.0009		<i>p. m.</i>				:40	2.72	.0072	.0081	3:00	.04	.0001	.0015
:36	.56	.0015	.0030	2:00	.11	.0003	.0079	:44	3.25	.0086	.0086	5:00	.04	.0001	.0017
:40	.73	.0019	.0031	4:00	.10	.0002	.0083	:49	4.81	.0128	.0095	7:00	.04	.0001	.0019
:44	.76	.0020	.0032	8:00	.08	.0002	.0091	:52	7.46	.0198	.0103	9:00	.03	.0001	.0021
:50	.65	.0017	.0034	:20	.09	.0002	.0092	:54	9.90	.0264	.0111	12:00	.03	.0001	.0024
:56	.50	.0013	.0036	:38	.08	.0002	.0093	:56	12.0	.0319	.0121	Aug. 1			
1:00	.42	.0011	.0037	:40	.10	.0002		9:00	12.0	.0319	.0142	<i>a. m.</i>			
:10	.34	.0009	.0039	:44	.13	.0003		:12	8.80	.0234	.0177	2:00	.03	.0001	.0002
:18	.38	.0010	.0040	:48	.18	.0005		:20	7.16	.0191	.0205	6:00	.04	.0001	.0006
:20	.47	.0012		:50	.24	.0006		:30	4.81	.0128	.0232	12:00	.04	.0001	.0012
:22	.65	.0017		:52	.34	.0009		:40	3.25	.0086	.0250	<i>p. m.</i>			
:24	.89	.0024	.0041	:54	.47	.0012		:50	2.72	.0072	.0263	3:00	.03	.0001	.0015
:28	1.19	.0032	.0043	:56	.65	.0017		10:00	2.05	.0054	.0274	4:00	.03	.0001	.0016
:32	1.30	.0035	.0045	9:00	.58	.0024	.0094	:10	1.65	.0044	.0282	6:00	.03	.0001	.0018
:38	1.73	.0046	.0049	:58	.89	.0024	.0095	:20	1.44	.0038	.0289	9:00	.02	.0001	.0021
:40	2.05	.0054	.0051	:58	1.13	.0030	.0099	:40	1.08	.0028	.0300	12:00	.02	.0001	.0024
:44	2.59	.0069	.0055	:58	.98	.0026	.0101	:50	.89	.0024	.0309	Aug. 2			
2:00	1.97	.0052	.0070	:58	.73	.0019	.0103	1:00	.65	.0017	.0316	<i>a. m.</i>			
:04	1.73	.0046	.0073	:58	.53	.0014	.0105	:20	.59	.0016	.0322	3:00	.03	.0001	.0003
:08	1.58	.0042	.0076	:58	.42	.0011	.0107	4:00			.0328	6:00	.03	.0001	.0006
:14	1.37	.0036	.0080	:58	.47	.0012	.0108	5:00				8:00	.03	.0001	.0008
:20	1.19	.0032	.0083	:58	.62	.0016	.0109	6:00				12:00	.03	.0001	.0012
:30	.98	.0026	.0088	:58	.80	.0021	.0110	7:30				<i>p. m.</i>			
:40	.80	.0021	.0092	:58	.98	.0026	.0111	8:00				2:30	.03	.0001	.0015
:50	.73	.0019	.0095	:58	1.19	.0032	.0113	9:00				4:00	.02	.0001	.0017
:55	.65	.0017	.0096	:58	1.37	.0036	.0115	11:00				6:00	.02	T	
3:00	.59	.0016	.0097	:58	1.58	.0050	.0121	<i>p. m.</i>				10:00	.02	T	
:20	.47	.0012	.0102	:58	2.48	.0066	.0125	1:00	.15	.0004	.0097	12:00	.02	T	.0017
:40	.42	.0011	.0106	:58	2.48	.0066	.0129	3:00	.13	.0003	.0105	Aug. 3			
4:00	.34	.0009	.0109	:58	2.05	.0054	.0141	4:00	.11	.0003	.0108	<i>a. m.</i>			
:20	.32	.0009	.0112	:58	1.58	.0042	.0149	6:00	.10	.0002	.0112	2:00	.02	T	T
:40	.29	.0008	.0115	:58	1.30	.0035	.0155	7:20	.11	.0003	.0113	4:00	.02	.0001	.0002
5:00	.27	.0007	.0117	:58	1.08	.0028	.0161	8:00	.10	.0003	.0116	7:00	.03	.0001	.0005
:40	.24	.0006	.0121	:58	.93	.0025	.0165	9:00	.11	.0003	.0118	11:00	.03	.0001	.0009
6:00	.22	.0006	.0123	:58	.80	.0021	.0170	10:00	.10	.0003	.0121	<i>p. m.</i>			
:20	.20	.0005	.0125	:58	.73	.0019	.0173	12:00	.10	.0003	.0124	1:00	.02	.0001	.0011
:40	.19	.0005	.0127	:58	.65	.0017	.0176	<i>a. m.</i>			.0130	3:00	.02	T	
7:00	.18	.0005	.0130	:58	.59	.0016	.0179	2:00	.10	.0003	.0024	5:00	.02	T	
:35	.16	.0004	.0132	:58	.53	.0014	.0182	4:00	.10	.0002	.0032	9:00	.02	T	
:45	.20	.0005	.0133	:58	.50	.0013	.0183	6:00	.10	.0002	.0032	Aug. 4			
:50	.29	.0008	.0134	July 25				7:20	.11	.0003	.0036	<i>a. m.</i>			
:55	.56	.0015	.0135	<i>a. m.</i>				8:00	.10	.0003	.0038	3:00	.02	T	T
8:00	1.73	.0046	.0137	12:30	.42	.0011	.0006	9:00	.07	.0002	.0042	6:00	.02	T	
:06	2.48	.0066	.0143	1:00	.38	.0010	.0011	12:00	.07	.0002	.0050	9:00	.02	T	
:12	1.89	.0050	.0149	:30	.34	.0009	.0016	<i>p. m.</i>			.0056	<i>p. m.</i>			
:16	1.44	.0038	.0152	2:00	.32	.0009	.0020	2:00	.08	.0002	.0036	2:00	.02	T	
:20	1.13	.0030	.0155	3:20	.27	.0007	.0031	5:00	.07	.0002	.0042	5:00	.02	T	
:24	1.02	.0027	.0157	4:30	.24	.0006	.0038	9:00	.07	.0002	.0050	9:00	.02	.0001	.0003
:28	1.30	.0035	.0159	5:40	.20	.0005	.0045	12:00	.07	.0002	.0056	p. m.			
:30	1.97	.0052	.0160	7:00	.18	.0005	.0052	<i>a. m.</i>				2:00	.02	T	
:32	2.85	.0076	.0162	10:00	.15	.0004	.0064	3:00	.07	.0002	.0006	5:00	.02	T	
:34	5.76	.0153	.0166	12:00	.13	.0003	.0070	8:20	.07						



TABLE 23.—Run-off from watershea 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Aug. 5	Second-foot	Inches per hour	Inches	Aug. 10	Second-foot	Inches per hour	Inches	Aug. 14	Second-foot	Inches per hour	Inches	Aug. 18	Second-foot	Inches per hour	Inches
a. m.				p. m.				p. m.				p. m.			
4:00-----	0.02	T	T	2:00-----	0.01	T		4:40-----	0.73	0.0019	0.0096	7:10-----	2.27	0.0060	0.0050
6:00-----	.02	T		5:00-----	.01	T		5:00-----	.53	.0014	.0101	:14-----	3.25	.0086	.0055
8:00-----	.02	0.0001	0.0002	12:00-----	.01	T	T	:20-----	.40	.0011	.0105	:15-----	5.02	.0134	.0057
12:00-----	.02	T						:40-----	.34	.0009	.0108	:16-----	7.46	.0198	.0060
				Aug. 11				6:00-----	.27	.0007	.0111	:18-----	9.53	.0253	.0068
p. m.				a. m.				:20-----	.24	.0006	.0113	:20-----	10.3	.0274	.0077
2:00-----	.02	T		10:00-----	.01	T	T	:40-----	.20	.0005	.0115	:30-----	8.80	.0234	.0119
4:00-----	.02	T						7:00-----	.19	.0005	.0117	:40-----	6.29	.0167	.0152
7:00-----	.01	T		p. m.				:40-----	.15	.0004	.0120	:44-----	5.23	.0139	.0162
12:00-----	.01	T	.0002	3:00-----	.01	T		8:00-----	.14	.0004	.0121	:48-----	4.38	.0117	.0174
				12:00-----	.01	T	T	:20-----	.13	.0003	.0122	:54-----	3.25	.0086	.0184
Aug. 6				Aug. 12				9:00-----	.11	.0003	.0124	8:00-----	2.72	.0072	.0192
a. m.				a. m.				:30-----	.10	.0002	.0125	:10-----	2.05	.0054	.0202
4:00-----	.01	T	T	6:00-----	.01	T	T	10:00-----	.08	.0002	.0126	:20-----	1.58	.0042	.0210
7:00-----	.02	T		8:00-----	.01	T		11:00-----	.07	.0002	.0128	:26-----	1.30	.0035	.0214
9:00-----	.02	T						12:00-----	.07	.0002	.0130	:36-----	1.08	.0028	.0219
10:00-----	.02	.0001	.0001	p. m.								:46-----	.89	.0024	.0223
				1:00-----	.01	T		Aug. 15				:52-----	.80	.0021	.0225
p. m.				4:00-----	.01	T		a. m.				9:00-----	.73	.0019	.0228
1:00-----	.03	.0001	.0004	5:00-----	.01	T		1:00-----	.06	.0002	.0002	:20-----	.66	.0015	.0234
4:50-----	.03	.0001	.0008	7:00-----	.01	T		2:30-----	.06	.0001	.0004	:40-----	.45	.0012	.0238
:52-----	.04	.0001		10:00-----	.01	T		5:00-----	.05	.0001	.0007	10:00-----	.38	.0010	.0242
:54-----	.04	.0001		12:00-----	.01	T	T	6:30-----	.05	.0001	.0009	:20-----	.34	.0009	.0245
:56-----	.05	.0001						9:00-----	.04	.0001	.0012	:40-----	.30	.0008	.0248
5:00-----	.05	.0001		Aug. 13				12:00-----	.04	.0001	.0015	11:00-----	.27	.0007	.0250
:20-----	.06	.0001	.0009	a. m.								:30-----	.24	.0006	.0253
:40-----	.05	.0002	.0010	5:00-----	.01	T	T					12:00-----	.20	.0005	.0256
6:00-----	.05	.0001		10:00-----	.01	T		p. m.							
:50-----	.04	.0001	.0011					3:00-----	.04	.0001	.0018	Aug. 19			
:52-----	.05	.0001		p. m.				4:30-----	.03	.0001	.0020	a. m.			
:55-----	.06	.0001		2:00-----	.01	T		6:00-----	.03	.0001	.0022	12:30-----	.18	.0005	.0002
7:00-----	.07	.0002	.0012	7:00-----	.01	T		7:00-----	.03	.0001	.0023	1:00-----	.15	.0004	.0005
:20-----	.08	.0002	.0015	12:00-----	.01	T	T	9:00-----	.02	.0001	.0025	2:00-----	.13	.0003	.0008
8:40-----	.08	.0002	.0016					12:00-----	.02	T	.0028	3:00-----	.11	.0003	.0011
9:20-----	.07	.0002	.0018	Aug. 14								4:00-----	.10	.0002	.0014
10:00-----	.07	.0002	.0019	a. m.				a. m.				6:00-----	.08	.0002	.0018
:40-----	.06	.0002	.0020	2:20-----	.01	T	T	3:00-----	.02	.0001	.0003	8:00-----	.07	.0002	.0022
11:00-----	.03	.0001	.0021	3:00-----	.01	T		8:00-----	.02	.0001	.0008	11:00-----	.06	.0002	.0028
:15-----	.05	.0001		5:00-----	.01	T									
12:00-----	.04	.0001		6:20-----	.02	T		p. m.				p. m.			
Aug. 7				7:20-----	.02	T		2:00-----	.02	T	.0014	1:30-----	.05	.0001	.0033
a. m.				8:20-----	.02	T		6:00-----	.02	T		4:00-----	.04	.0001	.0036
2:00-----	.04	.0001	.0002	10:00-----	.02	T		12:00-----	.02	T	.0014	9:00-----	.04	.0001	.0041
5:00-----	.03	.0001	.0005									12:00-----	.04	.0001	.0044
8:00-----	.03	.0001	.0008	p. m.				Aug. 17							
				1:00-----	.01	T		a. m.				a. m.			
p. m.				:35-----	.01	T		5:00-----	.02	T	T	5:00-----	.04	.0001	.0005
1:00-----	.03	.0001	.0013	:47-----	.02	T		10:00-----	.02	T		9:00-----	.03	.0001	.0009
3:00-----	.02	.0001	.0015	2:00-----	.02	0.0001									
5:00-----	.02	T		:06-----	.03	.0001		p. m.				p. m.			
8:00-----	.02	T		:08-----	.04	.0001		2:00-----	.02	T		1:00-----	.03	.0001	.0013
12:00-----	.02	T	.0015	:10-----	.06	.0002		4:00-----	.02	T		4:00-----	.03	.0001	.0016
				:16-----	.07	.0002		9:00-----	.01	T		6:00-----	.02	.0001	.0018
Aug. 8				:20-----	.09	.0002		12:00-----	.01	T	T	9:00-----	.02	T	.0021
a. m.				:22-----	.11	.0003						12:00-----	.02	T	.0021
4:00-----	.02	T	T	:24-----	.14	.0004		Aug. 18							
7:00-----	.02	T		:28-----	.18	.0005		a. m.				Aug. 21			
10:00-----	.02	.0001	.0003	:32-----	.24	.0006		4:00-----	.01	T	T	a. m.			
12:00-----	.02	T		:36-----	.24	.0006		6:00-----	.02	T		3:00-----	.02	T	T
				:46-----	.19	.0005	0.0001	11:00-----	.02	T		8:00-----	.02	.0001	.0005
p. m.				:52-----	.16	.0004									
3:00-----	.02	T		3:00-----	.14	.0004		p. m.				p. m.			
7:00-----	.02	T		:04-----	.13	.0003		1:00-----	.02	T		2:00-----	.02	T	
10:00-----	.01	T		:08-----	.15	.0004		5:50-----	.01	T		5:00-----	.02	T	
12:00-----	.01	T	.0003	:10-----	.20	.0005		:52-----	.02	T		9:00-----	.02	T	
Aug. 9				:12-----	.27	.0007		:54-----	.02	.0001		12:00-----	.01	T	.0005
a. m.				:16-----	.38	.0010	.0002	:57-----	.04	.0001					
4:00-----	.01	T	T	:18-----	.50	.0013		6:00-----	.05	.0001		Aug. 22			
7:00-----	.02	T		:20-----	.69	.0018	.0003	:08-----	.07	.0002		a. m.			
9:00-----	.02	T		:21-----	.93	.0025		:10-----	.10	.0002		3:00-----	.02	T	T
12:00-----	.02	T		:22-----	1.19	.0032	.0004	:12-----	.13	.0003		6:00-----	.02	T	
				:23-----	1.58	.0042	.0005	:13-----	.19	.0005		11:00-----	.02	T	
p. m.				:24-----	2.05	.0054	.0006	:14-----	.27	.0007					
3:00-----	.02	T		:25-----	2.85	.0076	.0007	:16-----	.38	.0010		p. m.			
5:00-----	.01	T		:26-----	3.99	.0106	.0008	:17-----	.53	.0014		2:00-----	.02	T	
8:00-----	.01	T		:27-----	5.23	.0139	.0010	:20-----	.73	.0019	.0001	6:00-----	.01	T	
12:00-----	.01	T	T	:28-----	6.02	.0160	.0012	:22-----	.98	.0026	.0002	12:00-----	.01	T	T
				:40-----	4.17	.0111	.0039	:23-----	1.30	.0035	.0003				
Aug. 10				:50-----	2.85	.0076	.0063	:25-----	1.81	.0048	.0004	Aug. 23			
a. m.				4:00-----	2.05	.0054	.0074	:30-----	2.48	.0066	.0009	a. m.			
8:00-----	.01	T	T	:04-----	1.73	.0046	.0081	:36-----	3.12	.0083	.0017	3:00-----	.02	T	T
11:00-----	.02			:08-----	1.58	.0042	.0085	:48-----	2.16	.0057	.0031	4:00-----	.02	T	
				:14-----	1.30	.0035	.0088	7:00-----	1.81	.0048	.0041	5:00-----	.02	T	
				:20-----	1.08	.0028	.0093	:04-----	2.05	.0054	.0044	8:00-----	.02	.0001	.0003



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Aug. 23				Aug. 27				Aug. 27				Aug. 29			
p. m.				a. m.				p. m.				p. m.			
1:00	0.02	T		12:52	0.08	0.0002		3:00	01.24	0.0033	0.3189	4:44	3.25	0.0086	0.0228
3:30	.02	T		.58	.09	.0002		4:00	1.19	.0032	.3222	.48	4.17	.0111	.0235
6:00	.02	T		1:00	.11	.0003		.10	1.13	.0030	.3227	5:00	3.25	.0086	.0255
9:00	.01	T		.04	.16	.0004		.40	1.19	.0032	.3242	.10	2.59	.0069	.0268
12:00	.01	T	0.0003	.08	.24	.0006		5:00	1.08	.0028	.3252	.20	2.05	.0054	.0278
				.12	.32	.0009	0.0001	.50	1.08	.0028	.3276	.24	1.97	.0052	.0282
Aug. 24				.16	.40	.0011	.0002	6:00	1.13	.0030	.3281	.32	1.97	.0052	.0289
a. m.				.20	.47	.0012	.0003	.20	1.19	.0032	.3291	.44	2.27	.0060	.0298
12:00	.01	T	T	.24	.47	.0012	.0004	.50	1.30	.0035	.3308	.56	3.25	.0086	.0313
p. m.				.30	.65	.0017	.0006	7:00	1.51	.0040	.3314	6:00	4.17	.0111	.0320
5:00	.01	T		.34	.89	.0024	.0007	.20	1.89	.0050	.3329	.20	5.23	.0139	.0362
12:00	.01	T	T	.36	1.08	.0028	.0008	.40	2.48	.0066	.3348	.30	5.23	.0139	.0385
				.42	1.08	.0028	.0011	.52	3.25	.0086	.3363	.36	7.77	.0206	.0402
Aug. 25				.46	1.30	.0035	.0013	8:00	3.80	.0101	.3375	.40	9.17	.0244	.0417
a. m.				.50	1.58	.0042	.0015	.20	5.23	.0139	.3415	7:00	12.5	.0332	.0513
4:00	.01	T	T	.58	1.51	.0040	.0016	.35	6.85	.0182	.3432	.10	13.4	.0356	.0570
8:00	.01	T		2:08	1.73	.0046	.0023	.40	8.80	.0234	.3459	.30	13.9	.0370	.0601
12:00	.01	T		.14	2.27	.0060	.0028	.44	13.0	.0346	.3478	.40	14.4	.0383	.0754
				.18	3.25	.0086	.0033	.47	18.8	.0500	.3500	8:00	13.4	.0356	.0877
p. m.				.22	4.81	.0128	.0040	.49	26.1	.0694	.3526	.20	9.90	.0264	.0980
5:00	.02	T		.34	6.02	.0160	.0060	.50	32.3	.0860	.3533	.40	7.46	.0198	.1057
8:00	.02	T		.49	5.23	.0139	.0097	.56	38.9	.103	.3632	9:00	5.76	.0153	.1115
10:00	.02	T		.54	4.59	.0122	.0108	9:06	38.9	.103	.3804	.20	4.81	.0128	.1162
.20	0.0001			3:00	3.99	.0106	.0119	.12	45.9	.122	.3917	.40	3.80	.0101	.1200
.40	.0001			.06	3.25	.0086	.0129	.14	51.2	.136	.3960	10:00	3.12	.0083	.1231
.60	.0001			.18	2.27	.0060	.0131	.20	55.4	.147	.4101	.20	2.72	.0072	.1257
.80	.0001			.28	1.73	.0046	.0140	.32	48.5	.129	.4377	.40	2.37	.0063	.1280
11:00	.03	.0001	.0001	.40	1.30	.0035	.0148	.40	42.0	.112	.4537	11:00	2.05	.0054	.1299
.20	.03	.0001	.0002	4:00	.93	.0025	.0159	.50	34.7	.0922	.4707	12:00	1.73	.0046	.1349
.40	.03	.0001		.20	.73	.0019	.0166	10:00	28.6	.0760	.4847				
Aug. 26				.40	.59	.0016	.0172	.10	24.5	.0651	.4965	Aug. 30			
a. m.				5:00	.47	.0012	.0177	.20	18.8	.0500	.5061	a. m.			
12:06	.03	.0001	T	.20	.42	.0011	.0181	.32	13.9	.0370	.5148	1:30	1.44	.0038	.0063
.16	.04	.0001		.40	.38	.0010	.0184	.44	10.3	.0274	.5212	2:00	1.37	.0036	.0081
.18	.06	.0002		6:00	.34	.0009	.0187	.56	8.07	.0214	.5261	3:00	1.44	.0038	.0118
.24	.08	.0002		.30	.30	.0008	.0191	11:00	7.77	.0206	.5275	4:20	1.58	.0042	.0171
.27	.11	.0003		.27	.27	.0007	.0195	.20	5.76	.0153	.5335	6:20	1.58	.0042	.0255
.28	.15	.0004		8:00	.22	.0006	.0201	.40	4.38	.0117	.5380	.40	2.05	.0054	.0271
.30	.22	.0006		.30	.20	.0005	.0204	12:00	3.62	.0096	.5416	.46	2.99	.0080	.0278
.31	.30	.0008		.40	.24	.0006	.0205					.50	4.38	.0117	.0285
.33	.42	.0011		.50	.24	.0006	.0206	Aug. 28				.54	6.55	.0174	.0295
.34	.59	.0016		.56	.32	.0009	.0207	a. m.				.58	8.80	.0234	.0309
.35	.80	.0021		9:00	.32	.0009	.0208	12:20	2.99	.0080	.0029	7:00	13.0	.0346	.0319
.36	.89	.0024		.08	.34	.0009	.0209	1:00	2.27	.0060	.0075	.04	17.5	.0465	.0346
.40	.89	.0024	.0002	.20	.34	.0009	.0211	2:00	1.73	.0046	.0128	.10	24.5	.0651	.0402
.46	.73	.0019	.0004	.32	.42	.0011	.0213	3:00	1.51	.0040	.0171	.20	30.0	.0798	.0452
.52	.59	.0016	.0006	.36	.56	.0015	.0214	4:00	1.30	.0035	.0208	.24	37.1	.0986	.0541
.56	.47	.0012	.0007	.40	.76	.0020	.0215	5:00	1.19	.0032	.0241	.28	42.0	.112	.0611
1:00	.38	.0010	.0008	.44	.98	.0026	.0216	6:00	1.08	.0028	.0271	.34	48.5	.129	.0692
.08	.32	.0009	.0009	.48	1.19	.0032	.0217	7:20	.98	.0026	.0307	.40	55.4	.147	.0830
.20	.38	.0010	.0011	.52	1.73	.0046	.0219	8:00	.93	.0025	.0324	.46	62.7	.167	.0987
.30	.53	.0014	.0013	.56	2.05	.0054	.0222	9:00	.89	.0024	.0348	.50	70.4	.187	.1029
.36	.59	.0016	.0015	10:00	2.25	.0054	.0226	11:00	.80	.0021	.0394	8:10	65.7	.175	.1881
.44	.59	.0016	.0017	.02	5.02	.0134	.0235					.13	63.5	.169	.1967
.46	.80	.0021		.05	7.46	.0198	.0243	p. m.				.18	62.0	.165	.2106
.48	1.08	.0028	.0018	.06	10.3	.0274	.0247	1:00	.73	.0019	.0434	.30	55.4	.147	.2418
.50	1.44	.0038	.0019	.07	15.0	.0399	.0253	2:30	.65	.0017	.0461	.40	47.2	.125	.2645
.55	1.73	.0046	.0023	.08	21.5	.0572	.0261	4:00	.59	.0016	.0487	.50	40.8	.108	.2840
2:00	1.58	.0042	.0027	.09	27.7	.0736	.0272	5:30	.53	.0014	.0509	9:00	35.9	.0955	.3017
.12	1.19	.0032	.0034	.11	34.1	.0907	.0299	7:40	.47	.0012	.0524	.20	30.0	.0798	.3309
.24	.89	.0024	.0040	.13	40.8	.108	.0332	10:00	.45	.0012	.0552	.40	25.0	.0655	.3551
.36	.73	.0019	.0044	.15	48.5	.129	.0372	12:00	.42	.0011	.0574	10:00	21.5	.0572	.3755
.56	.53	.0014	.0049	.18	55.4	.147	.0441					.12	20.1	.0535	.3866
3:00	.47	.0012	.0050	.23	65.7	.175	.0575	Aug. 29				.22	20.1	.0535	.3955
.20	.38	.0010	.0054	.26	77.2	.205	.0670	a. m.				.40	24.5	.0651	.4123
.40	.30	.0008	.0057	.32	88.1	.234	.0890	2:00	.40	.0011	.0022	.50	27.7	.0736	.4229
4:00	.25	.0007	.0060	.44	100	.266	.1390	4:00	.38	.0010	.0044	.12	32.3	.0860	.4362
.20	.20	.0005	.0062	.50	90.1	.240	.1601	6:00	.34	.0009	.0062	.24	35.9	.0955	.4543
.40	.18	.0005	.0064	.54	80.7	.214	.1752	8:00	.34	.0009	.0062	.44	37.1	.0986	.4737
5:00	.15	.0004	.0065	11:00	70.4	.187	.1952	9:00	.34	.0009	.0089	12:00	34.1	.0907	.5053
.40	.13	.0003	.0067	.04	64.2	.171	.2071		.32	.0009	.0112		30.0	.0798	.5281
6:20	.11	.0003	.0069	.08	58.3	.155	.2180	p. m.				12:20	26.7	.0710	.5532
7:20	.10	.0002	.0072	.12	53.3	.142	.2279	12:30	.30	.0008	.0121	1:00	21.5	.0572	.5959
8:20	.08	.0002	.0074	.16	48.5	.129	.2370	1:30	.29	.0008	.0129	.20	17.5	.0465	.6132
9:40	.08	.0002	.0077	.20	43.9	.117	.2452	3:00	.27	.0007	.0139	.40	13.9	.0370	.6271
11:30	.07	.0002	.0079	.24	39.5	.105	.2526	.20	.27	.0007	.0141	2:00	12.0	.0319	.6386
				.28	35.9	.0955	.2593	.30	.40	.0011	.0142	.20	10.3	.0274	.6485
				.32	32.3	.0860	.2654	.33	.53	.0014	.0143	.40	8.80	.0234	.6570
				.42	25.6	.0681	.2782	.35	.73	.0019	.0144	5:00	7.46	.0198	.6642
				.54	17.5	.0465	.2897	.38	1.02	.0027	.0145	.30	6.55	.0174	.6735
				12:00	13.9	.0370	.2944	.40	1.44	.0038	.0146	.40	5.49	.0146	.6815
				p. m.				.42	1.97	.0052	.0148	.40	4.81	.0128	.6907
				12:12	9.53	.0253	.2996	.43	2.48	.0066	.0149	5:00	5.23	.0139	.6951
				.24	7.16	.0191	.3025	.46	2.85	.0076	.0152	6:00	5.23	.0139	.7090
				.36	5.23	.0139	.3053	.52	2.48	.0066	.0159	7:00	4.17	.0111	.7215
				.48	3.99	.0106	.3073	.56	3.25	.0086	.0164	8:00	3.43	.0092	.7316
				1:00	3.25	.0086	.3089	4:00	4.38	.0117	.0171	9:00	2.99	.0080	.7402
				.20	2.48	.0066	.3114	.12	2.99	.0080	.0191	10:00	2.72	.0072	.7478
				.40	2.05	.0054	.3134	.22	2.85	.0076	.0204	11:00	2.48	.0066	.7547
				2:00	1.73	.									



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Aug. 31	Second-foot	Inches per hour	Inches	Sept. 6	Second-foot	Inches per hour	Inches	Sept. 11	Second-foot	Inches per hour	Inches	Sept. 19	Second-foot	Inches per hour	Inches
a. m.				p. m.				a. m.				p. m.			
1:20-----	2.05	0.0054	0.0076	12:30-----	0.16	0.0004	0.0062	5:00-----	0.15	0.0004	0.0020	5:00-----	0.10	0.0003	0.0045
3:00-----	1.89	.0050	.0142	2:00-----	.15	.0004	.0068	8:00-----	.15	.0004	.0032	10:00-----	.10	.0002	.0060
5:00-----	1.73	.0046	.0238	4:00-----	.14	.0004	.0076					12:00-----	.10	.0002	.0064
7:30-----	1.58	.0042	.0348	8:00-----	.13	.0003	.0092	p. m.							
11:00-----	1.44	.0038	.0448	12:00-----	.14	.0004	.0108	1:00-----	.14	.0004	.0052	Sept. 20			
p. m.								3:30-----	.13	.0004	.0062	a. m.			
12:20-----	1.30	.0035	.0497	Sept. 7				6:00-----	.12	.0003	.0072	8:00-----	.10	.0002	.0016
1:30-----	1.19	.0032	.0536	a. m.				11:00-----	.13	.0003	.0087	p. m.			
3:00-----	1.08	.0028	.0581	5:00-----	.15	.0004	.0020	12:00-----	.13	.0003	.0090	1:00-----	.10	.0003	.0031
5:00-----	.98	.0026	.0635	12:00-----	.14	.0004	.0048	Sept. 12				6:00-----	.10	.0002	.0041
7:00-----	.93	.0025	.0687	p. m.				a. m.				12:00-----	.10	.0002	.0053
10:00-----	.89	.0024	.0759	2:30-----	.13	.0003	.0056	9:00-----	.13	.0003	.0027	Sept. 21			
12:00-----	.84	.0022	.0805	4:30-----	.12	.0003	.0062	2:00-----	.12	.0003	.0042	a. m.			
Sept. 1				10:00-----	.12	.0003	.0078	7:00-----	.11	.0003	.0057	5:00-----	.09	.0002	.0010
a. m.				12:00-----	.13	.0003	.0084	12:00-----	.11	.0003	.0072	10:00-----	.10	.0002	.0020
4:00-----	.80	.0021	.0088	Sept. 8				Sept. 13				p. m.			
7:00-----	.76	.0020	.0148	a. m.				a. m.				3:00-----	.10	.0002	.0030
10:00-----	.73	.0019	.0208	5:00-----	.13	.0003	.0015	4:00-----	.12	.0003	.0012	:40-----	.09	.0002	.0031
11:00-----	.69	.0018	.0226	8:00-----	.14	.0004	.0027	8:00-----	.13	.0003	.0024	4:00-----	.07	.0002	.0032
12:00-----	.65	.0017	.0244	:30-----	.18	.0005	.0029	11:00-----	.12	.0003	.0033	:20-----	.06	.0002	
p. m.				9:00-----	.24	.0006	.0032					:40-----	.06	.0001	.0033
2:00-----	.62	.0016	.0276	:30-----	.30	.0008	.0035	p. m.				5:00-----	.05	.0001	
3:00-----	.59	.0016	.0292	:40-----	.42	.0011	.0037	3:00-----	.11	.0003	.0045	:30-----	.05	.0001	.0034
5:00-----	.56	.0015	.0324	:50-----	.59	.0016	.0039	6:00-----	.10	.0003	.0054	6:30-----	.04	.0001	.0035
7:00-----	.53	.0014	.0352	10:00-----	.62	.0016	.0041	12:00-----	.10	.0003	.0072	8:30-----	.04	.0001	.0037
12:00-----	.53	.0014	.0422	:12-----	.65	.0017	.0044	Sept. 14				12:00-----	.04	.0001	.0040
Sept. 2				:32-----	.93	.0025	.0051	a. m.							
a. m.				:52-----	.89	.0024	.0059	5:00-----	.10	.0003	.0015	Sept. 22			
5:00-----	.50	.0013	.0070	11:12-----	.98	.0026	.0067	10:00-----	.11	.0003	.0030	a. m.			
10:00-----	.47	.0012	.0130	:40-----	.80	.0021	.0078					2:30-----	.04	.0001	.0003
12:00-----	.45	.0012	.0154	12:00-----	.59	.0016	.0084	5:00-----	.10	.0003	.0015	7:30-----	.05	.0001	.0008
p. m.				Sept. 9				10:00-----	.11	.0003	.0030	p. m.			
1:00-----	.42	.0011	.0166	a. m.								1:00-----	.05	.0001	.0013
3:00-----	.40	.0011	.0188	12:30-----	.53	.0014	.0092	p. m.				12:00-----	.06	.0001	.0024
4:00-----	.38	.0010	.0198	1:00-----	.45	.0012	.0098	3:00-----	.11	.0003	.0045				
8:00-----	.34	.0009	.0238	:30-----	.40	.0011	.0104	5:00-----	.10	.0003	.0051				
12:00-----	.34	.0009	.0274	2:00-----	.38	.0010	.0109	7:00-----	.10	.0002	.0055	10:00-----	.05	.0001	.0022
Sept. 3				:30-----	.34	.0009	.0114	12:00-----	.10	.0002	.0065	12:00-----	.05	.0001	.0024
a. m.				3:00-----	.32	.0009	.0118	Sept. 15							
8:00-----	.34	.0009	.0072	4:30-----	.27	.0007	.0129	a. m.				3:00-----	.05	.0001	.0003
12:00-----	.34	.0009	.0108	6:00-----	.24	.0006	.0138	9:00-----	.11	.0003	.0027	8:00-----	.05	.0001	.0008
p. m.				7:00-----	.22	.0006	.0144					p. m.			
1:00-----	.32	.0009	.0117	8:00-----	.20	.0005	.0149	4:00-----	.10	.0003	.0012	1:00-----	.06	.0001	.0013
3:00-----	.30	.0008	.0133	10:00-----	.19	.0005	.0159	12:00-----	.11	.0003	.0027	12:00-----	.06	.0001	.0024
4:00-----	.29	.0008	.0141	12:00-----	.19	.0005	.0169	Sept. 16				Sept. 24			
6:00-----	.27	.0008	.0157	Sept. 10				a. m.				a. m.			
12:00-----	.27	.0008	.0205	a. m.				2:00-----	.11	.0003	.0042	4:00-----	.06	.0001	.0004
Sept. 4				5:00-----	.18	.0005	.0025	8:00-----	.10	.0003	.0024	9:00-----	.06	.0002	.0009
a. m.				8:00-----	.18	.0005	.0040					p. m.			
5:00-----	.29	.0008	.0040	12:00-----	.16	.0004	.0060	3:30-----	.11	.0003	.0046	1:00-----	.07	.0002	.0017
9:00-----	.27	.0007	.0072	3:00-----	.15	.0004	.0072	8:30-----	.10	.0003	.0061	4:00-----	.07	.0002	.0023
p. m.				7:00-----	.14	.0004	.0088	12:00-----	.10	.0003	.0071	9:00-----	.08	.0002	.0033
1:30-----	.25	.0007	.0103	12:00-----	.15	.0004	.0108	Sept. 17				10:30-----	.08	.0002	.0036
2:30-----	.24	.0006	.0109	Sept. 11				p. m.				:40-----	.09	.0002	
3:30-----	.22	.0006	.0115	12:30-----	.16	.0004	.0002	3:30-----	.11	.0003	.0046	:50-----	.11	.0003	.0037
5:00-----	.20	.0005	.0124	:50-----	.19	.0005	.0003	8:30-----	.10	.0003	.0061	:52-----	.15	.0004	
7:00-----	.19	.0005	.0134	1:50-----	.25	.0007	.0009	12:00-----	.10	.0002	.0068	:54-----	.22	.0006	
11:00-----	.20	.0005	.0154	2:10-----	.32	.0009	.0012					:56-----	.27	.0007	
12:00-----	.20	.0005	.0159	:20-----	.47	.0012	.0014	Sept. 18				:58-----	.38	.0010	
Sept. 5				:40-----	.47	.0012	.0018	a. m.				11:00-----	.47	.0012	
a. m.				3:00-----	.62	.0016	.0023	5:00-----	.10	.0003	.0015	:30-----	.34	.0009	.0042
5:00-----	.22	.0006	.0025	:10-----	.76	.0020	.0026					:40-----	.47	.0012	.0044
p. m.				:30-----	.84	.0022	.0033					:44-----	.62	.0016	.0045
1:00-----	.20	.0005	.0073	:50-----	1.08	.0028	.0041					:48-----	.80	.0021	.0046
2:30-----	.19	.0005	.0080	4:20-----	.80	.0021	.0053					12:00-----	.98	.0026	.0051
4:00-----	.18	.0005	.0088	5:00-----	.62	.0016	.0066	Sept. 19							
5:30-----	.16	.0004	.0094	6:00-----	.47	.0012	.0080	a. m.							
12:00-----	.16	.0004	.0120	7:00-----	.40	.0011	.0092	5:00-----	.10	.0003	.0015	Sept. 25			
Sept. 6				8:00-----	.34	.0009	.0102					a. m.			
a. m.				10:00-----	.30	.0008	.0120	5:00-----	.10	.0003	.0051	12:04-----	1.30	.0035	.0002
4:00-----	.18	.0005	.0020	11:30-----	.27	.0007	.0130					:08-----	1.44	.0038	.0004
8:00-----	.18	.0005	.0040	Sept. 12								:30-----	1.08	.0028	.0016
				1:00-----	.24	.0006	.0141					1:00-----	.80	.0021	.0028
				2:30-----	.20	.0005	.0148					:20-----	.73	.0019	.0035
				4:30-----	.18	.0005	.0156					:50-----	.89	.0024	.0046
				6:00-----	.16	.0004	.0163					2:20-----	1.19	.0032	.0060
				8:30-----	.15	.0004	.0173					:35-----	1.58	.0042	.0069
				12:00-----	.15	.0004	.0187								



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Sept. 25	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Oct. 8	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Nov. 1	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Nov. 5	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>a. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>p. m.</i>			
3:00	2.05	0.0054	0.0089	5:00	0.05	0.0001	0.0017	9:40	0.08	0.0002		12:40	0.34	0.0009	0.0030
:30	1.65	.0044	.0114	12:00	.05	.0001	.0024	:50	.09	.0002		1:00	.50	.0013	.0034
:50	1.37	.0036	.0127					10:00	.10	.0002	0.0011	:10	.65	.0017	.0037
4:10	1.13	.0030	.0138	Oct. 9-15	.04	.0001	.0168	:20	.11	.0003	.0012	:20	.80	.0021	.0040
:30	.93	.0025	.0147					:30	.13	.0003	.0013	:40	1.08	.0028	.0048
:50	.80	.0021	.0155	Oct. 16				:32	.19	.0005		2:00	1.44	.0038	.0059
5:40	.59	.0016	.0171	<i>a. m.</i>				:34	.27	.0007		:10	1.58	.0042	.0065
6:10	.47	.0012	.0178	5:00	.04	.0001	.0005	:36	.34	.0009		:30	1.51	.0040	.0079
7:20	.38	.0010	.0191	<i>p. m.</i>				:40	.47	.0012	.0014	3:00	1.44	.0038	.0098
8:00	.34	.0009	.0197	4:00	.04	.0001	.0016	:44	.65	.0017	.0015	:40	1.08	.0028	.0120
:30	.34	.0009	.0201	9:00	.03	.0001	.0021	11:00	.93	.0025	.0021	4:10	.89	.0024	.0133
9:10	.32	.0009	.0207	12:00	.03	.0001	.0024	:20	1.30	.0035	.0031	5:00	.73	.0019	.0151
:40	.30	.0008	.0211	Oct. 17-18	.03	.0001	.0048	:40	1.89	.0050	.0045	6:00	.62	.0016	.0169
10:00	.29	.0008	.0214	Oct. 19				12:00	2.59	.0069	.0061	7:00	.56	.0015	.0184
:40	.27	.0007	.0219	<i>p. m.</i>				12:40				8:30	.50	.0013	.0205
11:00	.25	.0007	.0221	2:00	.03	.0001	.0014	:50	3.25	.0086	.0113	:50	.47	.0012	.0209
:40	.24	.0006	.0225	:40	.04	.0001	.0015	1:00	2.99	.0080	.0141	9:40	.45	.0012	.0215
12:00	.22	.0006	.0227	:50	.04	.0001	.0016	:20	2.27	.0060	.0164	10:20	.42	.0011	.0223
<i>p. m.</i>				3:30	.04	.0001	.0017	:40	1.73	.0046	.0182	11:10	.40	.0011	.0232
1:00	.19	.0005	.0233	4:30	.05	.0001	.0018	:50	1.44	.0038	.0196	12:00	.38	.0010	.0241
2:30	.16	.0004	.0240	5:20	.06	.0002	.0020	2:00	1.19	.0032	.0208				
4:00	.14	.0004	.0246	7:30	.07	.0002	.0021	:20	1.02	.0027	.0218	Nov. 6			
5:00	.13	.0003	.0249	9:00	.07	.0002	.0021	3:20	.80	.0021	.0226	<i>a. m.</i>			
6:00	.12	.0003	.0252	12:00	.07	.0002	.0024	4:00	.69	.0018	.0238	2:00	.34	.0009	.0018
7:30	.11	.0003	.0256					5:00	.59	.0016	.0255	5:00	.34	.0009	.0045
9:30	.10	.0003	.0262					6:30	.56	.0015	.0277	7:30	.32	.0009	.0068
12:00	.10	.0002	.0270					7:00	.62	.0016	.0285	9:00	.30	.0008	.0080
								:40	.80	.0021	.0297	11:00	.29	.0008	.0096
Sept. 26				Oct. 20				:50	1.08	.0028	.0301	<i>p. m.</i>			
<i>a. m.</i>				<i>a. m.</i>				8:00	1.30	.0035	.0306	1:00	.27	.0007	.0112
5:00	.09	.0002	.0010	5:00	.06	.0002	.0010	:20	1.58	.0042	.0319	4:00	.25	.0007	.0133
10:00	.08	.0002	.0020	8:00	.06	.0001	.0013	:40	2.27	.0060	.0336	7:00	.24	.0006	.0154
<i>p. m.</i>				12:00	.05	.0001	.0017	9:00	1.97	.0052	.0355	11:00	.22	.0006	.0178
3:00	.08	.0002	.0030	<i>p. m.</i>				:20	1.58	.0042	.0371	12:00	.22	.0006	.0184
8:00	.07	.0002	.0040	5:00	.05	.0001	.0022	:40	1.30	.0035	.0384				
12:00	.07	.0002	.0048	12:00	.05	.0001	.0029	10:00	1.13	.0030	.0395	Nov. 7			
Sept. 27				Oct. 21-24	.04	.0001	.0096	:30	.93	.0025	.0408	<i>a. m.</i>			
<i>a. m.</i>				Oct. 25-28	.03	.0001	.0096	11:00	.80	.0021	.0420	5:00	.20	.0005	.0025
8:00	.07	.0002	.0016	Oct. 29				12:00	.59	.0016	.0438	10:00	.19	.0005	.0050
<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>p. m.</i>			
2:00	.07	.0002	.0028	5:00	.03	.0001	.0005	3:00	.47	.0012	.0042	2:00	.18	.0005	.0070
7:00	.07	.0002	.0038	10:00	.03	.0001	.0010	7:00	.38	.0010	.0056	8:00	.16	.0004	.0100
12:00	.07	.0002	.0048	<i>p. m.</i>				11:00	.30	.0008	.0122	12:00	.16	.0004	.0116
Sept. 28				7:00	.03	.0001	.0019	<i>p. m.</i>				Nov. 8			
<i>p. m.</i>				:30	.03	.0001	.0020	1:00	.27	.0007	.0126	<i>a. m.</i>			
4:00	.07	.0002	.0032	8:30	.04	.0001	.0020	3:30	.24	.0006	.0141	4:00	.15	.0004	.0016
9:00	.06	.0002	.0042	9:00	.05	.0001	.0021	5:00	.22	.0006	.0150	9:00	.14	.0004	.0036
12:00	.06	.0002	.0048	10:00	.06	.0002	.0023	7:00	.20	.0005	.0162	<i>p. m.</i>			
				12:00	.07	.0002	.0027	11:00	.19	.0005	.0182	4:00	.14	.0004	.0064
Sept. 29				Oct. 30				12:00	.18	.0005	.0197	9:00	.13	.0003	.0079
<i>p. m.</i>				<i>a. m.</i>				Nov. 3				12:00	.13	.0003	.0088
8:00	.06	.0002	.0040	4:30	.07	.0002	.0009	<i>a. m.</i>				Nov. 9			
12:00	.06	.0001	.0048	6:00	.06	.0002	.0012	5:00	.16	.0004	.0020	<i>a. m.</i>			
Sept. 30				8:30	.06	.0001	.0015	8:00	.15	.0004	.0032	5:00	.12	.0003	.0015
<i>a. m.</i>				10:00	.05	.0001	.0017	11:00	.14	.0004	.0044	10:00	.11	.0003	.0030
8:00	.06	.0001	.0008	11:00	.05	.0001	.0018	<i>p. m.</i>				<i>p. m.</i>			
<i>p. m.</i>				<i>p. m.</i>				3:30	.13	.0003	.0062	3:00	.12	.0003	.0045
4:00	.06	.0001	.0016	1:00	.05	.0001	.0020	8:30	.12	.0003	.0077	12:00	.12	.0003	.0069
9:00	.05	.0001	.0021	4:00	.04	.0001	.0023	12:00	.12	.0003	.0088				
12:00	.05	.0001	.0024	9:00	.04	.0001	.0028	Nov. 4				Nov. 10			
Oct. 1-6	.05	.0001	.0144	12:00	.04	.0001	.0031	<i>a. m.</i>				<i>a. m.</i>			
Oct. 7				Oct. 31				5:00	.11	.0003	.0015	5:00	.12	.0003	.0015
<i>a. m.</i>				<i>a. m.</i>				9:00	.10	.0003	.0027	10:00	.13	.0003	.0030
8:00	.05	.0001	.0008	10:00	.04	.0001	.0010	<i>p. m.</i>				<i>p. m.</i>			
<i>p. m.</i>				<i>p. m.</i>				1:00	.10	.0003	.0039	3:00	.12	.0003	.0045
1:00	.05	.0001	.0013	3:00	.03	.0001	.0015	6:00	.10	.0002	.0054	12:00	.12	.0003	.0072
6:00	.06	.0001	.0018	12:00	.03	.0001	.0024	12:00	.10	.0002	.0066				
12:00	.06	.0001	.0024	Nov. 1				Nov. 5				Nov. 11			
Oct. 8				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>			
<i>a. m.</i>				8:00	.03	.0001	.0008	10:00	.10	.0002	.0020	1:40	.13	.0003	.0005
5:00	.05	.0001	.0005	9:00	.04	.0001	.0009	11:00	.12	.0003	.0022	3:00	.15	.0004	.0010
12:00	.05	.0001	.0012	:10	.05	.0001		:40	.14	.0004	.0025	:30	.18	.0005	.0012
				:20	.06	.0001		12:00	.18	.0005	.0027	:50	.24	.0006	.0014
				:30	.07	.0002	.0010	<i>p. m.</i>				:56	.34	.0009	.0015
								12:20	.24	.0006	.0028	4:00	.47	.0012	.0016
								:30	.29	.0008	.0029	:10	.53	.0014	.0018



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Nov. 11				Nov. 16				Nov. 24				Nov. 27			
a. m.				p. m.				a. m.				p. m.			
4:15-----	0.73	0.0019	0.0019	12:00-----	0.25	0.0007	0.0171	4:00-----	0.34	0.0009	0.0024	9:00-----	1.08	0.0028	0.1031
:20-----	.98	.0026	.0021					4:50-----	.42	.0011	.0032	11:00-----	1.02	.0027	.1085
:30-----	1.30	.0035	.0026	Nov. 17				5:50-----	.45	.0012	.0044	12:00-----	.98	.0026	.1112
:40-----	1.65	.0044	.0033	a. m.				7:00-----	.42	.0011	.0057				
:50-----	2.05	.0054	.0041	4:00-----	.25	.0007	.0028	8:10-----	.38	.0010	.0059	Nov. 28			
5:00-----	2.99	.0080	.0052	9:00-----	.24	.0006	.0063	9:40-----	.34	.0009	.0072	a. m.			
:10-----	3.43	.0092	.0066					11:00-----	.32	.0009	.0084	2:30-----	.93	.0025	.0082
:40-----	2.59	.0072	.0107	p. m.								4:30-----	.89	.0024	.0112
6:10-----	2.05	.0054	.0138	2:00-----	.24	.0006	.0098	p. m.				6:00-----	.84	.0022	.0146
7:00-----	1.81	.0048	.0181	4:10-----	.27	.0007	.0111	1:30-----	.30	.0008	.0106	7:30-----	.80	.0021	.0178
:50-----	1.44	.0038	.0217	:40-----	.29	.0008	.0115	3:20-----	.29	.0008	.0119	11:30-----	.76	.0020	.0262
8:20-----	1.51	.0040	.0236	:50-----	.30	.0008	.0116	5:40-----	.27	.0007	.0136				
9:00-----	2.05	.0054	.0268	5:10-----	.32	.0009	.0119	10:40-----	.25	.0007	.0171	p. m.			
:20-----	2.59	.0069	.0288	:20-----	.34	.0009	.0122	12:00-----	.25	.0007	.0180	4:30-----	.76	.0020	.0362
:40-----	3.25	.0086	.0304	6:00-----	.34	.0009	.0128					6:30-----	.73	.0019	.0400
10:00-----	5.02	.0134	.0337	8:00-----	.34	.0009	.0146	Nov. 25				10:30-----	.69	.0018	.0476
:40-----	4.17	.0111	.0418	11:00-----	.32	.0009	.0173	a. m.				12:00-----	.69	.0018	.0503
11:00-----	3.99	.0106	.0454	12:00-----	.30	.0008	.0182	5:00-----	.24	.0006	.0035				
:20-----	4.81	.0128	.0490	Nov. 18				9:00-----	.24	.0006	.0059	Nov. 29			
:40-----	6.29	.0167	.0538	a. m.								a. m.			
12:00-----	8.80	.0234	.0605	3:00-----	.29	.0008	.0024					9:00-----	.69	.0018	.0162
p. m.				5:00-----	.27	.0007	.0038	p. m.							
12:30-----	7.46	.0198	.0688	7:00-----	.25	.0007	.0052	12:00-----	.20	.0005	.0144	p. m.			
1:00-----	5.23	.0139	.0747	9:00-----	.24	.0006	.0066					1:00-----	.65	.0017	.0234
:40-----	3.62	.0096	.0825	12:00-----	.22	.0006	.0084	Nov. 26				6:00-----	.62	.0016	.0319
2:00-----	2.99	.0080	.0854					a. m.				9:30-----	.59	.0016	.0375
3:00-----	2.05	.0054	.0921	p. m.				12:00-----	.20	.0005	.0060	12:00-----	.56	.0015	.0415
4:00-----	1.65	.0044	.0970	4:00-----	.24	.0006	.0108								
5:40-----	1.30	.0035	.0996	7:30-----	.25	.0007	.0129	p. m.				Nov. 30			
8:30-----	1.08	.0028	.1087	12:00-----	.24	.0006	.0161	1:00-----	.22	.0006	.0066	a. m.			
10:00-----	.98	.0026	.1128	Nov. 19				:30-----	.24	.0006	.0068	5:00-----	.53	.0014	.0070
12:00-----	.89	.0024	.1178	a. m.				:40-----	.34	.0009	.0059				
Nov. 12				5:00-----	.25	.0007	.0052	:44-----	.47	.0012	.0070	p. m.			
a. m.				7:00-----	.24	.0006	.0066	:56-----	.65	.0017	.0073	1:00-----	.53	.0014	.0182
2:30-----	.80	.0021	.0055	12:00-----	.22	.0006	.0030	2:00-----	.80	.0021	.0074	2:00-----	.56	.0015	.0197
3:40-----	.76	.0020	.0080	Nov. 20				:10-----	1.08	.0028	.0078	3:00-----	.59	.0016	.0212
5:00-----	.73	.0019	.0105	a. m.				:12-----	1.30	.0035	.0079	:40-----	.65	.0017	.0223
6:30-----	.69	.0018	.0133	5:00-----	.20	.0005	.0060	:16-----	1.73	.0046	.0082	4:30-----	.73	.0019	.0238
8:00-----	.65	.0017	.0160	p. m.				:20-----	2.05	.0054	.0085	5:00-----	.80	.0021	.0248
10:00-----	.62	.0016	.0192	3:00-----	.20	.0005	.0085	:24-----	2.72	.0072	.0089	:40-----	.89	.0024	.0263
11:30-----	.59	.0016	.0216	8:00-----	.22	.0006	.0115	:32-----	3.99	.0106	.0101	6:10-----	.93	.0025	.0275
p. m.				12:00-----	.22	.0006	.0139	:36-----	5.23	.0139	.0109	:34-----	.89	.0024	.0287
1:00-----	.56	.0015	.0240	Nov. 21				:44-----	7.77	.0206	.0133	7:40-----	.84	.0022	.0310
3:30-----	.53	.0014	.0275	a. m.				:48-----	12.0	.0319	.0151	9:00-----	.84	.0022	.0339
6:00-----	.50	.0013	.0310	5:00-----	.20	.0005	.0025	:52-----	17.5	.0465	.0177	10:00-----	.89	.0024	.0363
10:00-----	.47	.0012	.0358	p. m.				:56-----	20.8	.0553	.0211	:50-----	.93	.0025	.0384
12:00-----	.45	.0012	.0382	12:00-----	.20	.0005	.0120	3:00-----	23.0	.0633	.0251	11:40-----	.89	.0024	.0405
Nov. 13				Nov. 22				:40-----	34.1	.0907	.0788	12:00-----	.84	.0022	.0412
a. m.				a. m.				4:00-----	32.9	.0875	.1085				
3:40-----	.42	.0011	.0044	5:00-----	.20	.0005	.0025	:20-----	30.0	.0798	.1364	Dec. 1			
7:10-----	.40	.0011	.0082	p. m.				:40-----	26.7	.0710	.1615	a. m.			
12:00-----	.38	.0010	.0130	12:00-----	.19	.0005	.0120	5:00-----	25.0	.0655	.1842	1:00-----	.80	.0021	.0021
p. m.				Nov. 23				:30-----	20.8	.0553	.2119	2:00-----	.76	.0020	.0041
5:00-----	.34	.0009	.0175	a. m.				6:00-----	13.9	.0370	.2350	:30-----	.73	.0019	.0050
10:00-----	.34	.0009	.0220	5:00-----	.18	.0005	.0025	:20-----	11.6	.0308	.2463	3:30-----	.69	.0018	.0069
12:00-----	.34	.0009	.0238	p. m.				:40-----	11.2	.0298	.2547	4:30-----	.65	.0017	.0086
Nov. 14				12:00-----	.15	.0004	.0111	7:00-----	12.0	.0319	.2650	5:30-----	.62	.0016	.0102
a. m.				Nov. 24				:30-----	15.6	.0415	.2834	7:30-----	.59	.0016	.0134
4:00-----	.34	.0009	.0036	a. m.				:50-----	17.5	.0465	.2977	9:30-----	.56	.0016	.0166
9:00-----	.32	.0009	.0081	5:00-----	.18	.0005	.0025	8:00-----	18.2	.0484	.3056	11:30-----	.53	.0014	.0196
p. m.				10:00-----	.18	.0005	.0050	:20-----	17.5	.0465	.3214				
4:30-----	.32	.0009	.0122	p. m.				:50-----	13.9	.0370	.3422				
9:30-----	.30	.0008	.0167	3:00-----	.16	.0004	.0075	9:30-----	9.53	.0253	.3630	p. m.			
12:00-----	.30	.0008	.0187	8:00-----	.15	.0004	.0095	10:20-----	7.16	.0191	.3815	3:00-----	.50	.0013	.0245
Nov. 15				12:00-----	.15	.0004	.0111	11:00-----	6.02	.0160	.3931	8:00-----	.47	.0012	.0305
a. m.				Nov. 25				:30-----	5.23	.0139	.4006	12:00-----	.47	.0012	.0353
9:00-----	.30	.0008	.0072	a. m.				12:00-----	4.59	.0122	.4071				
12:00-----	.30	.0008	.0096	11:00-----	.15	.0004	.0044	Nov. 27				Dec. 2			
p. m.				p. m.				a. m.				a. m.			
5:00-----	.32	.0009	.0136	4:00-----	.14	.0004	.0064	1:00-----	3.80	.0101	.0111	3:30-----	.45	.0012	.0042
10:00-----	.30	.0008	.0181	8:30-----	.15	.0004	.0082	:40-----	3.25	.0086	.0172	7:30-----	.42	.0011	.0086
12:00-----	.30	.0008	.0197	9:30-----	.16	.0004	.0086	2:10-----	2.99	.0080	.0214	9:10-----	.40	.0011	.0104
Nov. 16				10:30-----	.18	.0005	.0091	3:00-----	2.72	.0072	.0278				
a. m.				11:10-----	.19	.0005	.0094	4:00-----	2.37	.0063	.0345	p. m.			
3:00-----	.29	.0008	.0024	12:00-----	.20	.0005	.0098	6:00-----	2.05	.0054	.0463	2:00-----	.40	.0011	.0157
5:00-----	.27	.0007	.0038	Nov. 26				7:10-----	1.89	.0050	.0524	6:00-----	.42	.0011	.0201
10:00-----	.25	.0007	.0073	a. m.				8:30-----	1.73	.0046	.0588	12:00-----	.40	.0011	.0267
				3:10-----	.27	.0007	.0017	:40-----	1.65	.0044	.0595				
								10:00-----	1.58	.0042	.0652	Dec. 3-4	.40	.0011	.0528
								12:00-----	1.44	.0038	.0732	Dec. 5			
								p. m.				a. m.			
								1:00-----	1.37	.0036	.0769	2:00-----	.40	.0011	.0022
								3:40-----	1.30	.0035	.0862	3:00-----	.38	.0010	.0033
								5:30-----	1.24	.0033	.0924	9:00-----	.34	.0009	.0087
								6:30-----	1.19	.0032	.0957				
								7:30-----	1.13	.0030	.0988				



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Dec. 5				Dec. 12				Dec. 16				Dec. 26			
p. m.				p. m.				p. m.				a. m.			
1:00-----	0.34	0.0009	0.0123	3:40-----	0.69	0.0018	0.0134	3:30-----	2.99	0.0080	0.1510	12:20-----	0.34	0.0009	0.0003
8:00-----	.32	.0009	.0186	4:00-----	.76	.0020	.0140	4:00-----	2.72	.0072	.1548	1:00-----	.40	.0011	.0009
12:00-----	.30	.0008	.0218	:40-----	.93	.0025	.0155	5:00-----	2.16	.0057	.1612	:30-----	.47	.0012	.0015
Dec. 6				5:20-----	.93	.0025	.0172	6:00-----	1.89	.0050	.1666	2:00-----	.53	.0014	.0021
a. m.				:50-----	1.02	.0027	.0185	7:00-----	1.73	.0046	.1714	3:00-----	.62	.0016	.0036
9:00-----	.29	.0008	.0072	6:00-----	1.19	.0032	.0190	8:00-----	1.58	.0044	.1759	4:00-----	.65	.0017	.0053
p. m.				:10-----	1.44	.0038	.0196	9:30-----	1.44	.0038	.1820	5:00-----	.69	.0018	.0071
1:00-----	.29	.0008	.0104	:20-----	1.81	.0048	.0203	12:00-----	1.30	.0035	.1910	6:00-----	.69	.0018	.0089
4:00-----	.30	.0008	.0128	:30-----	2.16	.0057	.0212	Dec. 17				7:00-----	.62	.0016	.0106
5:00-----	.32	.0009	.0136	:40-----	2.72	.0072	.0223	a. m.				8:00-----	.56	.0015	.0121
8:00-----	.34	.0009	.0163	7:00-----	3.99	.0106	.0238	1:30-----	1.19	.0032	.0051	10:00-----	.50	.0013	.0149
12:00-----	.34	.0009	.0199	:10-----	4.59	.0122	.0257	4:00-----	1.08	.0028	.0126	12:00-----	.45	.0012	.0175
Dec. 7				:40-----	4.81	.0128	.0278	6:00-----	1.02	.0027	.0182	p. m.			
a. m.				8:00-----	3.12	.0083	.0365	9:00-----	.98	.0026	.0260	4:00-----	.42	.0011	.0219
4:00-----	.34	.0009	.0036	9:00-----	2.16	.0057	.0435	12:00-----	.93	.0025	.0338	8:00-----	.40	.0011	.0263
5:30-----	.38	.0010	.0049	10:00-----	1.73	.0046	.0487	p. m.				12:00-----	.38	.0010	.0307
6:00-----	.40	.0011	.0055	11:00-----	1.51	.0040	.0530	5:00-----	.89	.0024	.0458	Dec. 27			
:20-----	.42	.0011	.0059	12:00-----	1.37	.0036	.0568	8:00-----	.84	.0022	.0527	a. m.			
:40-----	.47	.0012	.0063	Dec. 13				12:00-----	.80	.0021	.0611	4:00-----	.38	.0010	.0040
7:00-----	.50	.0013	.0067	a. m.				Dec. 18				9:00-----	.34	.0009	.0090
:20-----	.56	.0015	.0072	12:30-----	1.24	.0033	.0017	a. m.				p. m.			
:40-----	.59	.0016	.0077	2:00-----	1.08	.0028	.0062	3:00-----	.80	.0021	.0063	3:50-----	.34	.0009	.0151
8:10-----	.65	.0017	.0086	4:00-----	.93	.0025	.0116	9:00-----	.76	.0020	.0139	4:20-----	.38	.0010	.0155
10:20-----	.65	.0017	.0123	6:00-----	.84	.0022	.0162	12:00-----	.73	.0019	.0246	:40-----	.47	.0012	.0159
11:20-----	.62	.0016	.0140	7:30-----	.80	.0021	.0195	p. m.				5:00-----	.62	.0016	.0164
12:00-----	.59	.0016	.0151	9:00-----	.76	.0020	.0225	5:00-----	.69	.0018	.0336	:15-----	.80	.0021	.0168
p. m.				11:00-----	.73	.0019	.0263	9:00-----	.65	.0017	.0408	:20-----	.93	.0025	.0170
1:00-----	.56	.0015	.0166	12:00-----	.69	.0018	.0281	12:00-----	.65	.0017	.0459	:30-----	1.24	.0033	.0175
2:00-----	.53	.0014	.0180	p. m.				Dec. 19				:40-----	.98	.0026	.0180
3:00-----	.50	.0013	.0193	3:00-----	.65	.0017	.0335	a. m.				:50-----	2.37	.0063	.0186
:40-----	.47	.0012	.0201	7:00-----	.62	.0016	.0399	2:00-----	.62	.0016	.0032	:54-----	3.25	.0086	.0191
4:40-----	.45	.0012	.0213	12:00-----	.59	.0016	.0479	7:00-----	.59	.0016	.0112	6:00-----	4.59	.0122	.0201
5:40-----	.42	.0011	.0225	Dec. 14				12:00-----	.56	.0015	.0187	:05-----	4.81	.0128	.0211
7:00-----	.40	.0011	.0240	a. m.				Dec. 20				:20-----	4.81	.0128	.0243
8:00-----	.38	.0010	.0250	4:00-----	.56	.0015	.0060	a. m.				7:00-----	3.80	.0101	.0319
12:00-----	.34	.0009	.0286	8:00-----	.53	.0014	.0120	2:00-----	.62	.0016	.0032	:30-----	2.85	.0076	.0363
Dec. 8				11:00-----	.50	.0013	.0159	7:00-----	.59	.0016	.0112	8:00-----	2.27	.0060	.0397
a. m.				p. m.				12:00-----	.56	.0015	.0187	9:00-----	1.73	.0046	.0450
5:00-----	.34	.0009	.0045	4:00-----	.47	.0012	.0224	p. m.				:40-----	1.58	.0042	.0480
p. m.				12:00-----	.47	.0012	.0320	3:00-----	.59	.0016	.0232	10:20-----	1.51	.0040	.0508
12:00-----	.34	.0009	.0216	Dec. 15				12:00-----	.59	.0016	.0376	11:00-----	1.58	.0042	.0536
Dec. 9				a. m.				Dec. 21				12:00-----	1.73	.0046	.0580
a. m.				5:00-----	.45	.0012	.0060	a. m.				Dec. 28			
4:00-----	.32	.0009	.0036	p. m.				4:00-----	.56	.0015	.0064	a. m.			
9:00-----	.30	.0008	.0081	12:00-----	.45	.0012	.0288	11:00-----	.56	.0015	.0169	12:40-----	1.73	.0046	.0030
p. m.				Dec. 16				p. m.				1:30-----	1.58	.0042	.0067
5:00-----	.30	.0008	.0145	a. m.				4:00-----	.53	.0014	.0244	2:00-----	1.51	.0040	.0088
10:00-----	.32	.0009	.0185	12:30-----	.47	.0012	.0006	7:00-----	.53	.0014	.0286	:40-----	1.44	.0038	.0114
12:00-----	.32	.0009	.0203	1:00-----	.50	.0013	.0012	12:00-----	.50	.0013	.0356	3:20-----	1.37	.0036	.0138
Dec. 10				:30-----	.62	.0016	.0020	Dec. 22				4:00-----	1.30	.0035	.0162
a. m.				2:00-----	.80	.0021	.0029	a. m.				5:00-----	1.30	.0035	.0197
7:00-----	.32	.0009	.0063	:10-----	.98	.0026	.0033	4:00-----	.45	.0012	.0207	7:00-----	1.19	.0032	.0265
12:00-----	.30	.0009	.0108	:20-----	1.19	.0032	.0038	12:00-----	.45	.0012	.0291	9:00-----	1.08	.0028	.0325
p. m.				:30-----	1.44	.0038	.0044	Dec. 23				11:00-----	1.02	.0027	.0379
6:00-----	.29	.0008	.0162	:40-----	1.73	.0046	.0051	a. m.				p. m.			
12:00-----	.27	.0008	.0210	:50-----	2.37	.0063	.0060	5:00-----	.42	.0011	.0060	1:00-----	.98	.0026	.0433
Dec. 11				3:00-----	2.99	.0080	.0072	12:00-----	.40	.0011	.0192	4:00-----	.93	.0025	.0508
a. m.				:10-----	4.17	.0111	.0088	Dec. 24-25	.34	.0009	.0132	7:00-----	.93	.0025	.0583
9:00-----	.27	.0008	.0072	:20-----	5.76	.0153	.0110	p. m.				:30-----	1.08	.0028	.0596
p. m.				:40-----	8.44	.0224	.0171	5:00-----	.40	.0011	.0192	8:00-----	1.30	.0035	.0612
12:00-----	.27	.0008	.0192	4:00-----	11.2	.0298	.0258	10:00-----	.38	.0010	.0242	:20-----	1.73	.0046	.0625
Dec. 12				:10-----	11.6	.0308	.0300	12:00-----	.38	.0010	.0262	:40-----	1.89	.0050	.0641
a. m.				:40-----	10.7	.0284	.0448	Dec. 26				9:00-----	1.81	.0048	.0657
10:00-----	.27	.0008	.0080	5:00-----	9.53	.0253	.0537	a. m.				10:00-----	1.58	.0042	.0702
p. m.				6:00-----	6.85	.0182	.0754	12:10-----	8.44	.0224	.0032	11:00-----	1.89	.0050	.0748
1:30-----	.29	.0008	.0108	7:00-----	4.81	.0128	.0909	a. m.				:20-----	2.27	.0060	.0766
2:00-----	.30	.0009	.0112	8:00-----	3.62	.0096	.1021	4:00-----	.38	.0010	.0085	:40-----	3.25	.0086	.0790
:20-----	.42	.0011	.0115	9:00-----	2.59	.0069	.1103	5:00-----	.40	.0011	.0192	:50-----	4.59	.0122	.0807
:40-----	.47	.0012	.0119	10:00-----	2.16	.0057	.1166	12:00-----	.38	.0010	.0262	12:00-----	6.29	.0167	.0831
3:00-----	.53	.0014	.0123	11:00-----	1.89	.0050	.1220	Dec. 27				Dec. 29			
:20-----	.62	.0016	.0128	p. m.				a. m.				a. m.			
				12:30-----	1.81	.0048	.1293	12:10-----	10.3	.0274	.0114	:20-----	10.3	.0274	.0205
				1:15-----	1.81	.0048	.1330	:30-----	8.44	.0224	.0329	:40-----	7.77	.0206	.0401
				:45-----	2.16	.0057	.1356	:50-----	7.16	.0191	.0467	:50-----	6.85	.0182	.0486
				2:00-----	2.48	.0066	.1371	2:00-----	8.07	.0214	.0532	2:00-----	8.07	.0214	.0532
				:20-----	2.99	.0080	.1395	:10-----	12.0	.0319	.0576	:30-----	17.5	.0465	.0641
				:50-----	4.38	.0117	.1444	:20-----	24.5	.0651	.0734	:40-----	29.1	.0774	.0853
				3:00-----	3.99	.0106	.1463	:50-----	31.7	.0843	.0988	:50-----			



TABLE 23.—Run-off from watershed 20, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Dec. 29				Dec. 29				Dec. 30				Dec. 31			
a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches
3:00	30.6	0.0814	0.1126	10:20	11.2	0.0298	0.4208	2:00	3.99	0.0106	0.0224	1:30	1.58	0.0042	0.0064
:30	27.2	.0724	.1511	11:00	8.8	.0234	.4386	4:00	3.80	.0101	.0432	4:00	1.51	.0040	.0167
4:00	23.0	.0612	.1845	12:00	6.85	.0182	.4544	6:00	3.25	.0086	.0614	6:00	1.44	.0038	.0245
:30	20.1	.0535	.2132					7:00	2.99	.0080	.0697	8:00	1.37	.0036	.0319
:40	20.1	.0535	.2221					8:00	2.85	.0076	.0775	11:00	1.30	.0035	.0424
5:00	23.0	.0612	.2412	p. m.				9:00	2.59	.0069	.0847				
:10	23.8	.0633	.2516	1:00	5.49	.0146	.4713	10:00	2.48	.0066	.0909	p. m.			
:20	23.8	.0633	.2622	2:00	4.81	.0128	.4850	12:00	2.27	.0060	.1035	5:00	1.30	.0035	.0634
:40	20.1	.0535	.2817	3:00	4.17	.0111	.4969					8:00	1.24	.0033	.0736
6:00	16.3	.0433	.2978	4:00	3.80	.0101	.5075	p. m.				12:00	1.19	.0032	.0868
:20	13.0	.0346	.3107	5:00	3.80	.0101	.5176	3:00	2.27	.0060	.1215				
7:00	10.3	.0274	.3279	6:00	4.81	.0128	.5291	5:00	2.05	.0054	.1329				
:40	9.17	.0244	.3451	8:00	4.81	.0128	.5547	7:00	1.89	.0050	.1433				
8:00	9.17	.0244	.3532	11:00	4.38	.0117	.5913	10:00	1.73	.0046	.1577				
:40	11.2	.0298	.3712	12:00	4.38	.0117	.6030	12:00	1.65	.0044	.1667				

TABLE 24.—Run-off from watershed 177, 1940

LOCATION.—Latitude 40°22'01'', longitude 81°47'58''.

#### PHYSICAL CHARACTERISTICS:

*Drainage area.*—75.6 acres.

*Length of principal watercourse.*—2,750 feet.

*Topography.*—The steep slopes which make up this leaf-shaped area drain directly into one main channel which has no major division or tributaries. The aspect of the watershed is to the south. About one-third of the area lies east of the main channel.

*Slope.*—The average slope on this watershed is 15.7 percent. 4 percent of the watershed has a slope of less than 6 percent; 23 percent, 6 to 10 percent; 56 percent, 10 to 20 percent; and 17 percent has a slope of 20 percent or more.

*Erosion condition.*—25 to 50 percent of the topsoil has been removed by sheet erosion from all the areas except the woodland. There are occasional gullies more than 100 feet apart on about 2 percent of the area, and land slips on about 2 percent.

*Soil.*—Muskingum loam is the predominant soil on this watershed.

*Special features.*—Parts of the buildings and grounds of Civilian Conservation Corps Camp, S. C. S. 30, occupy approximately 2 acres in the southeast corner of the watershed. Single-crop watersheds 129, 130, and 135 lie within the drainage area of this watershed. Single-crop watersheds 109, 102, 103, 104, and 131 lie just outside the drainage divide. A farmstead having seven buildings lies in the upper third of the area, and a township road crosses the watershed through the farmstead.

#### LAND USE AND VEGETAL COVER:

*Land use.*—Mixed cover, conservation practices on part of the area.

*Vegetal cover and soil condition.*—See table 10.

#### MEASUREMENTS:

*Precipitation.*—Rainfall was measured at 4 recording rain gages, 100, Y102, 103, and 107 (fig. 2). The amount of rainfall on the watershed is obtained by Thiessen weight. Snowfall was measured at the rain gages supplemented by snow boards. Snow inventory on the watershed was obtained by surveys and observations made on the small watersheds mentioned above under "special features."

*Run-off.*—Run-off is measured by a dual Parshall flume having a main flume of 8-foot throat width and a supplemental H flume of 1.5-foot depth. The records of run-off are very good except for periods of flow during January and February, which are poor because of formations of ice in the supplemental flume. Records of low flow during summer months were supplemented by periodic volumetric measurements. The rating curves used were established from laboratory tests of similar flumes.

*Soil loss.*—Records of soil loss were not obtained.

*Changes in instrumentation during year.*—None.

#### SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, JANUARY TO DECEMBER 1940:

*Rainfall.*—Total precipitation for 1940, 45.16 inches.

*Run-off.*—Annual run-off amount 1940, 13.16 inches; maximum rate of run-off for period of record, 0.776 inch per hour, June 18, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Jan. 1— Feb. 8	Second-foot	Inches per hour	Inches	Feb. 9	Second-foot	Inches per hour	Inches	Feb. 9	Second-foot	Inches per hour	Inches	Feb. 9	Second-foot	Inches per hour	Inches
Feb. 9	0	0	0	a. m.				p. m.				p. m.			
a. m.				9:00	0.02	0.0003	0.0014	1:00	0.02	0.0003	0.0031	5:00	0.17	0.0022	0.0069
1:00	.02	.0002	.0001	:30	.04	.0005	.0016	2:00	.03	.0004	.0034	:40	.18	.0024	.0034
3:00	.01	.0002	.0005	10:00	.05	.0006	.0019	:35	.04	.0005	.0036	6:00	.17	.0022	.0092
7:00	.01	.0001	.0011	:45	.05	.0006	.0023	3:00	.05	.0007	.0038	:40	.16	.0021	.0107
8:40	.01	.0002	.0013	11:00	.04	.0005	.0024	:30	.08	.0010	.0042	7:00	.16	.0021	.0114
				:30	.03	.0004	.0026	4:00	.13	.0017	.0049	:45	.22	.0028	.0132
				12:00	.02	.0003	.0028	:40	.16	.0021	.0062	8:00	.28	.0037	.0140



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Feb. 9				Feb. 11				Feb. 18				Feb. 23			
p. m.				p. m.				a. m.				p. m.			
8:10	0.35	0.0046	0.0147	5:00	0.42	0.0055	0.0467	11:00	0.05	0.0007	0.0043	12:45	0.07	0.0009	0.0103
30	.36	.0048	.0163	20	.40	.0052	.0485	30	.07	.0009	.0047	1:30	.09	.0011	.0111
9:00	.35	.0046	.0187	6:00	.35	.0046	.0518	12:00	.11	.0014	.0053	2:30	.12	.0016	.0125
30	.33	.0043	.0209	7:00	.30	.0039	.0560					3:00	.14	.0018	.0133
50	.35	.0046	.0224	8:30	.26	.0034	.0614					4:00	.16	.0021	.0153
10:00	.38	.0050	.0232	9:30	.23	.0030	.0646	12:30	.17	.0022	.0062	30	.16	.0021	.0163
30	.52	.0068	.0262	11:45	.20	.0027	.0709	1:00	.24	.0032	.0076	6:30	.12	.0016	.0199
40	.54	.0070	.0274	12:00	.20	.0027	.0716	15	.26	.0034	.0084	7:45	.09	.0012	.0217
11:00	.50	.0065	.0297					45	.27	.0035	.0101	10:30	.07	.0009	.0245
30	.42	.0055	.0327	Feb. 12				2:00	.26	.0034	.0109	12:00	.07	.0009	.0259
12:00	.35	.0046	.0352	a. m.				30	.20	.0027	.0124				
Feb. 10				6:00	.19	.0025	.0156	3:00	.15	.0019	.0136	Feb. 24			
a. m.				9:00	.18	.0024	.0228	15	.13	.0017	.0140	a. m.			
1:00	.26	.0034	.0040	10:20	.18	.0024	.0260	4:00	.10	.0013	.0151	1:30	.06	.0008	.0013
2:00	.20	.0027	.0070	11:00	.23	.0030	.0278	7:00	.10	.0013	.0190	7:00	.06	.0008	.0057
3:00	.18	.0024	.0095	15	.28	.0037	.0286	8:00	.09	.0012	.0202				
4:00	.17	.0022	.0118	30	.35	.0046	.0296	9:00	.09	.0011	.0214	p. m.			
5:00	.16	.0021	.0140	45	.42	.0055	.0308	10:00	.08	.0010	.0224	12:00	.06	.0008	.0187
6:00	.15	.0019	.0160	55	.52	.0068	.0318	12:00	.08	.0010	.0244				
20	.15	.0019	.0166	12:00	.60	.0079	.0324					Feb. 25	.06	.0008	.0184
7:00	.16	.0021	.0179					Feb. 19				Feb. 26			
30	.16	.0021	.0189	p. m.				a. m.				a. m.			
8:00	.18	.0024	.0200	12:10	.78	.0102	.0339	6:45	.08	.0010	.0068	12:00	.06	.0008	.0092
40	.19	.0025	.0216	20	.92	.0120	.0357	8:15	.09	.0012	.0084				
9:00	.18	.0024	.0224	45	1.17	.0153	.0414	10:30	.12	.0016	.0116	p. m.			
10:00	.17	.0022	.0247	1:00	1.17	.0153	.0452	11:30	.18	.0024	.0136	1:00	.06	.0008	.0100
40	.17	.0022	.0262	30	1.01	.0132	.0523					3:00	.07	.0009	.0116
11:00	.18	.0024	.0270	2:00	.92	.0120	.0586	12:30	.27	.0035	.0166	4:00	.08	.0010	.0126
12:00	.23	.0030	.0297	3:00	.75	.0098	.0695	1:00	.33	.0043	.0186	5:00	.07	.0009	.0131
p. m.				4:00	.65	.0085	.0787	30	.42	.0055	.0210	6:00	.06	.0008	.0144
12:30	.27	.0035	.0313	5:00	.56	.0073	.0866	2:00	.54	.0070	.0241	7:00	.06	.0008	.0152
1:00	.28	.0037	.0331	6:00	.46	.0060	.0932	4:00	.86	.0113	.0427	12:00	.06	.0008	.0190
45	.33	.0043	.0361	7:00	.38	.0050	.0987	5:00	.92	.0120	.0545				
2:00	.35	.0046	.0372	8:15	.32	.0041	.1045	6:00	.75	.0098	.0654	Feb. 27			
50	.37	.0048	.0411	10:00	.26	.0034	.1111	7:00	.60	.0079	.0742	p. m.			
3:00	.35	.0046	.0419	11:15	.23	.0030	.1151	8:00	.54	.0070	.0816	12:30	.05	.0006	.0086
45	.32	.0041	.0452	12:00	.22	.0028	.1173	9:00	.42	.0055	.0878	1:20	.05	.0006	.0091
4:00	.35	.0046	.0463					10:00	.35	.0046	.0928	2:40	.07	.0009	.0102
15	.46	.0060	.0476	Feb. 13				11:00	.32	.0041	.0972	5:30	.07	.0009	.0128
20	.54	.0070	.0481	a. m.				12:00	.30	.0039	.1012	7:30	.06	.0008	.0146
25	.63	.0082	.0487	1:00	.22	.0028	.0028					10:30	.06	.0008	.0170
30	.75	.0098	.0495	3:00	.20	.0027	.0084	Feb. 20				12:00	.06	.0008	.0181
35	.95	.0124	.0504	4:30	.20	.0027	.0124	a. m.							
40	1.14	.0149	.0515	8:00	.18	.0024	.0215	3:00	.22	.0028	.0102	Feb. 28	.04	.0005	.0157
45	1.42	.0186	.0529	12:00	.18	.0024	.0311	7:45	.17	.0022	.0221	Feb. 29			
50	1.70	.0223	.0546					10:00	.15	.0019	.0266	p. m.			
55	2.26	.0296	.0568	p. m.				12:00	.16	.0021	.0306	1:00	.02	.0003	.0047
5:00	2.63	.0345	.0595	4:00	.17	.0022	.0403					2:00	.03	.0004	.0050
25	3.65	.0488	.0768	7:00	.16	.0021	.0469					3:00	.04	.0005	.0054
6:00	4.38	.0585	.1081	12:00	.14	.0018	.0569					4:00	.06	.0008	.0060
20	4.62	.0617	.1281									45	.06	.0008	.0066
40	4.62	.0617	.1487	Feb. 14	.09	.0011	.0336					6:30	.05	.0007	.0079
7:00	4.38	.0585	.1687	Feb. 15	.04	.0005	.0200					8:15	.04	.0005	.0089
20	3.65	.0488	.1866									9:00	.03	.0004	.0092
30	3.23	.0424	.1942	Feb. 16								12:00	.02	.0003	.0103
45	2.75	.0361	.2040	a. m.											
8:00	2.26	.0296	.2122	11:00	.03	.0004	.0050	Feb. 21							
20	1.79	.0235	.2211					a. m.							
30	1.66	.0218	.2249	p. m.				12:00	.12	.0016	.0204				
9:00	1.54	.0202	.2354	2:00	.04	.0005	.0062					12:30	.01	.0001	.0025
10	1.54	.0202	.2388	3:30	.04	.0005	.0070					1:00	.02	.0002	.0026
30	1.35	.0177	.2451	6:30	.05	.0006	.0087					20	.02	.0003	.0027
45	1.17	.0153	.2492	8:30	.04	.0005	.0099					40	.04	.0005	.0028
10:00	1.01	.0132	.2528	12:00	.04	.0005	.0117					2:00	.08	.0010	.0031
20	.83	.0109	.2568									10	.11	.0014	.0033
40	.70	.0092	.2601	Feb. 17								20	.15	.0019	.0036
11:00	.58	.0076	.2629	p. m.								30	.20	.0027	.0040
30	.48	.0062	.2663	1:00	.02	.0003	.0051					40	.24	.0032	.0045
12:00	.38	.0050	.2691	2:30	.05	.0006	.0058					3:00	.35	.0046	.0058
Feb. 11				3:30	.09	.0011	.0066					40	.48	.0062	.0076
a. m.				4:15	.11	.0014	.0075					40	.60	.0079	.0099
1:00	.28	.0037	.0044	45	.11	.0014	.0082					4:05	.68	.0088	.0134
2:00	.22	.0028	.0076	7:00	.07	.0009	.0109					20	.68	.0088	.0156
3:00	.17	.0022	.0101	8:30	.05	.0006	.0121					5:00	.56	.0073	.0209
4:00	.15	.0019	.0121	9:45	.04	.0005	.0128	Feb. 22				30	.46	.0060	.0242
5:00	.14	.0018	.0139	11:00	.04	.0005	.0134	a. m.				30	.35	.0046	.0268
6:00	.13	.0017	.0157	12:00	.04	.0005	.0139	7:00	.08	.0010	.0214	6:00	.27	.0035	.0288
8:00	.13	.0017	.0191					9:30	.07	.0009	.0239	7:00	.20	.0027	.0304
10:00	.16	.0021	.0229	Feb. 18				12:00	.07	.0009	.0261	8:00	.15	.0019	.0316
12:00	.18	.0024	.0273	a. m.								30	.12	.0016	.0325
p. m.				1:00	.03	.0004	.0004	Feb. 23				9:00	.09	.0011	.0339
1:00	.22	.0028	.0299	5:00	.02	.0003	.0018	a. m.				10:15	.06	.0008	.0351
2:00	.26	.0034	.0330	7:30	.02	.0003	.0026					12:00	.04	.0005	.0363
3:00	.32	.0041	.0368	8:00	.03	.0004	.0028								
4:00	.38	.0050	.0414	9:00	.04	.0005	.0032								
45	.42	.0055	.0453	10:00	.04	.0005	.0037								

<sup>1</sup> Rate at 12:00 p. m.: accumulated run-off for the day.



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Mar. 2	Second-foot	Inches per hour	Inches	Mar. 3	Second-foot	Inches per hour	Inches	Mar. 5	Second-foot	Inches per hour	Inches	Mar. 11	Second-foot	Inches per hour	Inches
a. m.				a. m.				a. m.				a. m.			
12:30	0.04	0.0005	0.0003	6:00	0.89	0.0116	0.4096	2:00	0.48	0.0062	0.0130	11:00	0.01	0.0002	0.002
3:00	.03	.0004	.0015	:30	.89	.0116	.4154	4:00	.44	.0057	.0250	12:00	.02	.0003	.0021
4:30	.03	.0004	.0021	7:00	.86	.0113	.4211	6:00	.40	.0052	.0358				.0021
6:30	.03	.0004	.0029	:10	.86	.0113	.4230	8:00	.36	.0048	.0458				
7:35	.03	.0004	.0033	:50	.92	.0120	.4307	10:00	.35	.0046	.0552	p. m.			
8:00	.03	.0004	.0035	8:00	.92	.0120	.4327	11:30	.33	.0043	.0618	1:00	.04	.0005	.0027
:45	.05	.0006	.0039	9:00	.98	.0128	.4451					:30	.04	.0005	.0029
9:00	.06	.0008	.0041	:10	1.01	.0132	.4473	p. m.				4:00	.02	.0003	.0038
:30	.09	.0012	.0046	:50	1.04	.0136	.4562	1:00	.33	.0043	.0682	6:00	.01	.0002	.0042
:40	.13	.0017	.0048	10:00	1.04	.0136	.4585	2:10	.32	.0041	.0731	8:00	.01	.0001	.0045
:50	.23	.0030	.0052	:20	1.07	.0140	.4631	:25	.35	.0046	.0742	9:00	.01	.0001	.0046
10:00	.30	.0039	.0058	11:00	1.04	.0136	.4723	3:00	.35	.0046	.0769	12:00	.01	.0001	.0048
:10	.40	.0052	.0066	:25	1.04	.0136	.4780	4:00	.32	.0041	.0813				
:20	.50	.0065	.0076	12:00	1.10	.0144	.4862	5:30	.28	.0037	.0871	Mar. 12			
:40	.73	.0095	.0103	p. m.				6:30	.27	.0035	.0907	a. m.			
11:00	.95	.0124	.0140	12:10	1.14	.0149	.4886	7:00	.27	.0035	.0925	11:00	.01	.0001	.0008
:05	.98	.0128	.0150	:20	1.14	.0149	.4911	9:00	.24	.0032	.0993	:30	.01	.0001	
:20	.98	.0128	.0182	1:00	1.07	.0140	.5007	11:00	.23	.0030	.1055	12:00	.02	.0002	.0009
:35	.98	.0128	.0214	:25	1.07	.0140	.5065	12:00	.23	.0030	.1085				
12:00	.89	.0116	.0265	:40	1.07	.0140	.5100					p. m.			
				2:00	1.10	.0144	.5147	Mar. 6				1:15	.02	.0003	.0012
p. m.				:30	1.24	.0162	.5223	a. m.				3:30	.02	.0002	.0018
12:30	.78	.0102	.0319	:45	1.31	.0172	.5265	2:30	.22	.0028	.0072	5:00	.01	.0001	.0021
1:00	.70	.0092	.0367	3:00	1.27	.0167	.5307	4:30	.20	.0027	.0128	7:30	.01	.0001	.0024
:25	.68	.0088	.0405	:30	1.24	.0162	.5389	6:00	.19	.0025	.0167	8:30	T	T	.0025
2:00	.65	.0085	.0455	4:00	1.17	.0153	.5468	8:00	.18	.0024	.0215	10:00	T	T	.0026
:30	.65	.0085	.0497	:55	1.04	.0136	.5600	10:30	.18	.0024	.0275	12:00	.01	.0001	.0027
:50	.63	.0082	.0525	5:00	1.07	.0140	.5612	12:00	.19	.0025	.0311				
3:00	.63	.0082	.0539	:10	1.35	.0177	.5638					Mar. 13			
:30	.65	.0085	.0581	:15	1.66	.0218	.5654	p. m.				1:00	.18	.0025	.0336
4:00	.70	.0092	.0625	:20	2.47	.0324	.5677	1:30	.16	.0021	.0416	3:30	.01	.0001	.0004
:20	.75	.0098	.0657	:25	4.88	.0652	.5718	4:30	.16	.0021	.0416	5:00	.01	.0001	.0005
:50	.75	.0098	.0706	:30	6.48	.0866	.5781	6:45	.15	.0019	.0461	6:00	.01	.0001	.0010
5:00	.83	.0109	.0723	:35	7.94	.106	.5861	8:00	.14	.0018	.0483	10:00	.01	.0001	.0011
:10	.95	.0124	.0742	:40	7.94	.106	.5949	12:00	.13	.0017	.0555	11:00	.01	.0001	
:20	1.35	.0177	.0767	:45	7.05	.0942	.6033					p. m.			
:30	1.92	.0252	.0803	:50	6.48	.0866	.6108	12:30	.12	.0016	.0032	1:15	.01	.0001	.0013
:40	2.63	.0345	.0853	6:00	5.13	.0685	.6237	a. m.				1:30	.02	.0002	.0014
:50	3.17	.0416	.0916	:10	4.13	.0552	.6340	2:00	.12	.0016	.0064	4:30	.02	.0003	.0022
5:55	3.29	.0432	.0951	:20	3.55	.0466	.6425	4:00	.12	.0016	.0064	8:30	.01	.0002	.0031
6:00	3.23	.0424	.0987	:30	3.29	.0432	.6500	9:20	.11	.0014	.0142	10:30	.01	.0001	.0034
:20	2.52	.0330	.1113	7:00	3.10	.0407	.6710	10:00	.12	.0016	.0152	12:00	.01	.0001	.0036
:40	1.83	.0240	.1208	:15	3.04	.0399	.6811					Mar. 14			
7:00	1.50	.0197	.1281	:35	3.23	.0424	.6948	12:30	.12	.0016	.0192	a. m.			
:20	1.24	.0162	.1341	:50	3.17	.0416	.7053	2:00	.11	.0014	.0214	3:30	.01	.0001	.0005
8:00	.98	.0128	.1438	8:00	2.92	.0383	.7120	4:00	.08	.0010	.0051	4:30	.01	.0001	.0016
:30	.89	.0116	.1499	:20	2.31	.0303	.7234	5:00	.08	.0010	.0051	9:30	.01	.0001	.0018
:45	.86	.0113	.1527	:40	1.88	.0247	.7326	6:30	.10	.0013	.0276	11:30	.01	.0001	.0018
9:00	.95	.0124	.1557	:45	1.62	.0212	.7403	12:00	.09	.0011	.0342	12:00	.01	.0001	
:10	1.24	.0162	.1581	9:00	1.42	.0212	.7403					p. m.			
:15	1.50	.0197	.1596	:25	1.62	.0212	.7486	12:30	.06	.0008	.0196	1:00	T	T	.0024
:20	1.83	.0240	.1614	:35	1.46	.0192	.7518	2:00	.06	.0008	.0219	1:15	.01	.0001	.0003
:25	2.31	.0303	.1637	:45	1.66	.0218	.7552	4:00	.05	.0007	.0022	:30	.01	.0001	.0002
:30	2.81	.0369	.1665	:55	2.16	.0283	.7594	5:00	.05	.0006	.0048	:45	.01	.0002	
:40	3.36	.0441	.1733	10:00	2.47	.0324	.7619	6:30	.05	.0007	.0076	12:00	.02	.0003	
:45	3.42	.0449	.1770	:10	3.17	.0416	.7681	8:00	.05	.0007	.0079				
10:00	3.29	.0432	.1880	:20	3.49	.0458	.7754	10:00	.05	.0007	.0079	Mar. 15 <sup>1</sup>	T	T	.0015
:20	2.47	.0324	.2006	:30	3.55	.0466	.7831					Mar. 16 <sup>1</sup>	T	T	.0010
:40	1.92	.0252	.2102	:40	3.42	.0449	.7907	1:30	.09	.0011	.0016				
:55	1.79	.0235	.2163	11:00	2.86	.0375	.8044	4:00	.08	.0010	.0051	12:00	T	T	.0024
11:00	1.83	.0240	.2183	:20	2.31	.0303	.8157	5:00	.07	.0009	.0066				
:10	2.01	.0264	.2225	:40	2.01	.0264	.8252	6:30	.07	.0009	.0066	Mar. 17			
:20	2.47	.0324	.2274	12:00	1.83	.0240	.8336	11:00	.07	.0009	.0066	a. m.			
:30	3.17	.0416	.2336					12:00	.08	.0010	.0116	11:00	T	T	.0003
:40	4.62	.0617	.2422	Mar. 4								:30	.01	.0001	
:50	5.93	.0792	.2539	a. m.								:45	.01	.0001	
12:00	7.05	.0942	.2683	12:40	1.62	.0212	.0151					5:55	.01	.0002	
				1:00	1.66	.0218	.0223	Mar. 9				12:00	.02	.0003	
Mar. 3				:20	1.74	.0228	.0297	a. m.							
a. m.				:35	1.70	.0223	.0353	3:00	.05	.0007	.0022				
12:05	7.34	.0981	.0080	2:00	1.54	.0202	.0441	7:00	.05	.0006	.0048				
:15	7.05	.0942	.0240	:30	1.35	.0177	.0536	10:00	.05	.0006	.0066				
:20	6.76	.0903	.0317	3:00	1.24	.0162	.0621	11:30	.05	.0007	.0076				
:25	6.20	.0828	.0389	4:00	1.10	.0144	.0774	12:00	.05	.0007	.0079				
:35	5.93	.0792	.0524	5:00	1.04	.0136	.0914					p. m.			
:40	6.20	.0828	.0592	6:00	.98	.0128	.1046	1:00	.04	.0005	.0129	12:15	.03	.0004	.0004
:50	7.05	.0942	.0740	7:20	.98	.0128	.1217	2:30	.04	.0005	.0146	:25	.05	.0007	.0005
1:00	7.64	.102	.1904	8:00	.92	.0120	.1300					:35	.09	.0012	.0007
:15	8.55	.114	.2174	9:00	.86	.0113	.1416	Mar. 10				:45	.12	.0016	.0009
:25	8.24	.110	.2361	10:00	.83	.0109	.1527	a. m.				1:00	.15	.0019	.0013
:45	7.34	.0981	.2708	11:00	.80	.0105	.1634	12:00	.04	.0005	.0146	:30	.20	.0027	.0025
2:00	6.48	.0866	.2939	12:00	.78	.0102	.1738					:50	.23	.0030	.0034
:20	5.39	.0720	.3203					Mar. 11				2:10	.23	.0030	.0044
:30	4.62	.0617	.3314	12:30	.78	.0102	.1789	a. m.				3:00	.19	.0025	.0067
:50	3.36	.0441	.3490	1:30	.75	.0098	.1889	1:00	.03	.0004	.0049	:30	.15	.0019	.0078
3:00	2.86	.0375	.3558	2:00	.75	.0098	.1938	p. m.				4:15	.11	.0014	.0090
:20	2.11	.0277	.3667	3:30	.70	.0092	.2080					5:00	.08	.0010	.0099
:40	1.70	.0223	.3750	5:00	.65	.0085	.2212	1:00	.04	.0005	.0059	6:30	.05	.0006	.0111
4:00	1.42	.0186	.3818	6:20	.65	.0085	.2325	2:30	.04	.0005	.0067	7:45	.04	.0005	.0118
:30	1.17	.0153	.3903	7:25	.60	.0079	.2414	6:30	.03	.0004	.0085	9:15	.03	.0004	.0124
5:00	1.01	.0132	.3974	8:25	.58	.0076	.2492	10:00	.02	.0003	.0096	11:00			



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Mar. 18	Second-foot	Inches per hour	Inches	Mar. 22	Second-foot	Inches per hour	Inches	Mar. 30	Second-foot	Inches per hour	Inches	Apr. 3	Second-foot	Inches per hour	Inches
a. m.				p. m.				a. m.				p. m.			
4:00	0.01	0.0001	0.0007	12:00	0.01	0.0001	0.0029	4:00	0.02	0.0003	0.0010	1:00	0.12	0.0016	0.0170
7:00	.01	.0001	.0011					1:00	.02	.0003		2:00	.12	.0016	.0186
9:00	.01	.0001	.0013	Mar. 23				4:50	.03	.0004	.0012	1:00	.12	.0016	.0189
11:30	.01	.0001	.0015	a. m.				5:00	.03	.0004	.0013	3:00	.16	.0021	.0195
p. m.				11:00	.01	.0001	.0011	6:00	.04	.0005	.0015	3:00	.24	.0032	.0208
1:30	.01	.0001	.0017					6:00	.05	.0007	.0018	2:00	.28	.0037	.0219
3:30	.01	.0001	.0019	p. m.				7:00	.07	.0009	.0022	3:00	.28	.0037	.0225
5:25	.01	.0001	.0021	1:00	.01	.0002	.0014	7:00	.09	.0012	.0027	4:00	.23	.0030	.0242
3:00	.01	.0001		3:30	.01	.0002	.0018	3:00	.13	.0017	.0034	3:00	.18	.0024	.0256
4:00	.01	.0002		5:30	.01	.0001	.0021	8:00	.16	.0021	.0044	5:00	.16	.0021	.0267
4:50	.02	.0003		12:00	.01	.0001	.0028	9:00	.18	.0024	.0055	6:00	.14	.0018	.0287
5:00	.03	.0004						9:00	.19	.0025	.0067	1:00	.14	.0018	.0292
5:55	.05	.0006		Mar. 24 <sup>1</sup>	.01	.0001	.0024	3:00	.19	.0025	.0079	7:00	.17	.0022	.0307
6:00	.05	.0006		Mar. 25				10:00	.18	.0024	.0091	2:00	.18	.0024	.0315
6:05	.05	.0006		a. m.				11:00	.17	.0022	.0114	8:30	.15	.0019	.0341
10:00	.06	.0008	.0022	12:00	.01	.0001	.0014	12:00	.17	.0022	.0136	10:00	.13	.0017	.0368
10:05	.09	.0012	.0024									12:00	.12	.0016	.0400
10:10	.12	.0016	.0025	p. m.				12:30	.16	.0021	.0147	Apr. 4			
10:20	.17	.0022	.0027	1:00	.02	.0003	.0016	1:00	.22	.0028	.0159	a. m.			
10:30	.28	.0037	.0029	3:30	.03	.0004	.0024	1:00	.28	.0037	.0164	2:00	.11	.0014	.0030
10:40	.44	.0057	.0033	5:00	.03	.0004	.0029	2:00	.38	.0050	.0171	7:00	.11	.0014	.0100
10:45	.60	.0079	.0039	7:00	.02	.0003	.0035	3:00	.52	.0068	.0181	8:00	.10	.0013	.0114
10:50	.75	.0098	.0046	9:00	.01	.0002	.0039	4:00	.70	.0092	.0194	10:00	.10	.0013	.0140
10:55	.80	.0105	.0063	12:00	.01	.0001	.0044	5:00	.89	.0116	.0211	12:00	.09	.0011	.0164
11:00	.83	.0109	.0072					6:00	1.04	.0136	.0232				
11:05	.80	.0105	.0081	Mar. 26				7:00	1.24	.0162	.0282	p. m.			
11:10	.65	.0085	.0113	a. m.				8:00	1.31	.0172	.0338	3:00	.09	.0011	.0197
11:15	.58	.0076	.0126	12:00	.01	.0001	.0016	9:00	1.35	.0177	.0396	5:00	.07	.0009	.0217
11:20	.44	.0057	.0148					10:00	1.54	.0202	.0491	12:00	.07	.0009	.0280
11:25	.32	.0041	.0164	p. m.				10:00	.55	.0079	.0582				
11:30	.24	.0032	.0176	1:00	.02	.0003	.0018	4:00	1.79	.0235	.0602	Apr. 5			
11:35	.17	.0022	.0185	3:00	.03	.0004	.0020	5:00	1.83	.0240	.0642	a. m.			
11:40	.13	.0017	.0195	4:15	.03	.0004	.0024	6:00	1.66	.0218	.0718	4:00	.07	.0009	.0036
11:45	.09	.0012	.0202	6:00	.02	.0003	.0030	7:00	1.27	.0167	.0814	6:00	.06	.0008	.0054
11:50	.06	.0008	.0213	8:00	.02	.0002	.0046	8:00	1.04	.0136	.0865				
11:55	.05	.0007	.0221	12:00	.01	.0002	.0054	9:00	.83	.0109	.0906	p. m.			
Mar. 19								10:00	.68	.0088	.0939	1:30	.06	.0008	.0117
a. m.				Mar. 27				10:00	.52	.0068	.0978	6:00	.05	.0006	.0150
1:00	.05	.0006	.0006	a. m.				11:00	.44	.0057	.1009	7:30	.04	.0005	.0159
2:00	.04	.0005	.0011	11:00	.02	.0003	.0026	12:00	.36	.0048	.1035	9:00	.05	.0007	.0168
3:20	.04	.0005	.0017					1:00	.32	.0041	.1057	12:00	.05	.0007	.0188
4:00	.03	.0004	.0020	p. m.				2:00	.26	.0034	.1095				
6:00	.03	.0004	.0028	12:30	.03	.0004	.0031	3:00	.23	.0030	.1119	Apr. 6			
8:30	.02	.0003	.0036	3:30	.03	.0004	.0043	4:00	.20	.0027	.1147	a. m.			
10:00	.02	.0003	.0040	5:15	.05	.0006	.0052	5:00	.18	.0024	.1179	4:00	.05	.0007	.0027
p. m.				6:30	.04	.0005	.0059	6:00	.15	.0019	.0128	5:30	.05	.0006	.0037
12:30	.02	.0003	.0048	8:00	.05	.0007	.0068	7:00	.15	.0019	.0163	7:30	.05	.0007	.0049
3:00	.02	.0003	.0055	10:00	.06	.0008	.0072	8:15	.18	.0024	.0172	9:00	.05	.0007	.0059
12:00	.02	.0003	.0079	11:00	.05	.0007	.0093	9:00	.18	.0024	.0190	10:00	.06	.0008	.0067
Mar. 20				12:00	.05	.0006	.0099	10:00	.19	.0025	.0202	12:00	.06	.0008	.0083
a. m.								11:00	.17	.0022	.0238	p. m.			
3:00	.02	.0003	.0008	Mar. 28				12:00	.15	.0019	.0258	4:00	.05	.0006	.0111
7:00	.03	.0004	.0021	a. m.								8:00	.05	.0006	.0135
11:00	.03	.0004	.0035	4:00	.04	.0005	.0023					10:00	.05	.0007	.0148
p. m.				6:00	.04	.0005	.0033					12:00	.05	.0007	.0162
1:00	.02	.0003	.0041	10:30	.03	.0004	.0053								
3:00	.02	.0002	.0046									Apr. 7			
4:00	.02	.0002	.0048	p. m.								a. m.			
5:00	.01	.0002	.0050	2:00	.04	.0005	.0070					6:00	.05	.0006	.0039
7:00	.02	.0002	.0054	4:00	.05	.0007	.0082					p. m.			
2:00	.01	.0002	.0064	6:30	.05	.0007	.0099					2:00	.05	.0006	.0088
Mar. 21				9:00	.04	.0005	.0114					4:00	.06	.0008	.0092
a. m.				12:00	.04	.0005	.0129					6:00	.06	.0008	.0106
9:30	.01	.0002	.0016									8:00	.07	.0009	.0110
1:00	.02	.0003	.0019	Mar. 29								10:00	.07	.0009	.0114
3:00	.03	.0004	.0021	a. m.								12:00	.10	.0013	.0120
p. m.				6:30	.03	.0004	.0029						.13	.0017	.0128
2:00	.03	.0004	.0030	9:00	.03	.0004	.0039					7:00	.14	.0018	.0137
4:00	.02	.0003	.0036	10:00	.03	.0004	.0043					8:00	.14	.0018	.0146
5:45	.01	.0002	.0040	11:30	.04	.0005	.0045					10:00	.12	.0016	.0154
8:45	.01	.0002	.0045									12:00	.11	.0014	.0164
9:15	.02	.0002	.0046	p. m.									.10	.0013	.0169
10:30	.02	.0003	.0049	12:20	.05	.0007	.0057					10:00	.09	.0011	.0181
2:00	.02	.0003	.0053	1:30	.04	.0005	.0064					12:00	.09	.0011	.0187
Mar. 22				3:00	.03	.0004	.0071						.10	.0013	.0193
a. m.				5:00	.03	.0004	.0079					2:00	.09	.0011	.0198
1:00	.02	.0003	.0003	7:30	.02	.0003	.0088					3:00	.08	.0010	.0207
3:00	.01	.0002	.0007	12:00	.02	.0003	.0101						.08	.0010	.0206
6:00	.01	.0001	.0011					11:55	.10	.0013	.0155	3:00	.08	.0010	.0206
								12:00	.10	.0013	.0156	3:50	.08	.0010	.0204

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Apr. 8	Second-foot	Inches per hour	Inches	Apr. 11	Second-foot	Inches per hour	Inches	Apr. 15	Second-foot	Inches per hour	Inches	Apr. 19	Second-foot	Inches per hour	Inches
a. m.				p. m.				p. m.				p. m.			
4:00	0.10	0.0013	0.0047	8:00	3.29	0.0432	0.0741	1:45	0.26	0.0034	0.0460	10:35	7.05	0.0912	0.2404
:40	.14	.0018	.0058	:15	3.42	.0449	.0851	3:15	.23	.0030	.0508	:45	9.19	.123	.2585
5:00	.20	.0027	.0065	:45	3.62	.0475	.1082	6:00	.22	.0028	.0588	:55	11.2	.150	.2812
:20	.23	.0030	.0074	9:00	3.55	.0466	.1200	8:45	.22	.0028	.0665	11:00	11.9	.159	.2941
:40	.20	.0027	.0083	:20	3.97	.0521	.1365	9:30	.23	.0030	.0687	:10	12.6	.168	.3214
6:00	.17	.0022	.0091	:40	4.62	.0617	.1555	12:00	.23	.0030	.0762	:35	15.2	.203	.3988
:50	.13	.0017	.0108	:55	4.62	.0617	.1709					:45	16.0	.214	.4335
7:00	.13	.0017	.0111	10:00	4.88	.0652	.1762	Apr. 16				:55	14.8	.198	.4678
:40	.16	.0021	.0124	:20	5.13	.0685	.1985	a. m.				12:00	13.3	.178	.4834
8:00	.19	.0025	.0132	:35	4.88	.0652	.2152	3:00	.23	.0030	.0090	Apr. 20			
:10	.20	.0027	.0136	:50	3.90	.0521	.2298	5:30	.20	.0027	.0160	a. m.			
:40	.20	.0027	.0150	11:00	3.23	.0424	.2377	9:30	.18	.0024	.0264	12:10	10.5	.140	.0265
9:00	.18	.0024	.0159	:15	2.75	.0361	.2475	11:30	.18	.0024	.0312	:20	8.24	.110	.0474
10:00	.14	.0018	.0180	:30	2.26	.0296	.2557					:30	6.48	.0866	.0638
11:00	.12	.0016	.0197	:45	1.92	.0252	.2625	p. m.				:40	5.13	.0685	.0767
:20	.11	.0014	.0202	12:00	1.62	.0212	.2683	1:30	.16	.0021	.0356	:50	4.13	.0552	.0870
12:00	.13	.0017	.0213					8:00	.16	.0021	.0492	1:00	3.97	.0521	.0959
p. m.				Apr. 12				10:00	.14	.0018	.0532	:15	3.10	.0407	.1075
12:30	.13	.0017	.0221	a. m.				12:00	.14	.0018	.0568	:30	2.63	.0345	.1169
1:00	.15	.0019	.0230	12:15	1.35	.0177	.0048					2:00	2.01	.0264	.1321
:14	.15	.0019	.0234	:30	1.10	.0144	.0088	Apr. 17				:30	1.62	.0212	.1440
2:00	.13	.0017	.0248	1:00	.92	.0120	.0154	a. m.				3:00	1.38	.0181	.1538
3:00	.11	.0014	.0264	:30	.78	.0102	.0210	4:00	.14	.0018	.0072	4:00	1.14	.0149	.1703
4:00	.09	.0012	.0277	2:00	.70	.0092	.0258	6:00	.13	.0017	.0108	:30	1.07	.0140	.1775
5:00	.09	.0011	.0289	:30	.60	.0079	.0301	9:00	.12	.0016	.0156	5:00	1.04	.0136	.1844
:30	.09	.0011	.0295	3:00	.56	.0073	.0339					:20	1.07	.0140	.1890
6:00	.08	.0010	.0300	4:00	.50	.0065	.0408	p. m.				6:00	1.27	.0167	.1993
8:00	.07	.0009	.0320	5:00	.46	.0060	.0470	1:45	.12	.0016	.0232	:20	1.38	.0181	.2051
12:00	.07	.0009	.0356	:30	.46	.0060	.0500	2:00	.16	.0021	.0236	:30	1.58	.0207	.2053
Apr. 9				7:00	.42	.0055	.0587	7:20	.16	.0021	.0348	:40	2.06	.0270	.2123
a. m.				9:00	.42	.0055	.0697	:30	.18	.0024	.0352	:45	2.86	.0375	.2150
3:30	.07	.0009	.0032	10:15	.44	.0057	.0767	8:00	.18	.0024	.0364	:50	4.26	.0559	.2189
7:00	.06	.0008	.0063	11:30	.50	.0065	.0843	:30	.22	.0028	.0377	:55	4.13	.0552	.2235
8:30	.06	.0008	.0076					:45	.22	.0028	.0384	7:00	5.39	.0720	.2288
10:00	.06	.0008	.0088	12:15	.54	.0070	.0894	12:00	.17	.0022	.0465	:10	7.05	.0942	.2426
p. m.				1:20	.58	.0076	.0973					:15	7.64	.102	.2508
3:00	.06	.0008	.0126	2:20	.58	.0076	.1049	Apr. 18				:20	7.94	.106	.2595
5:00	.05	.0007	.0140	4:00	.56	.0073	.1172	a. m.				:30	7.34	.0981	.2765
12:00	.05	.0007	.0188	7:30	.48	.0062	.1410	1:50	.17	.0022	.0040	:45	5.93	.0792	.2987
Apr. 10				9:00	.44	.0057	.1500	2:00	.18	.0024	.0044	:55	5.66	.0756	.3116
a. m.				10:30	.42	.0055	.1584	3:30	.18	.0024	.0080	8:00	5.66	.0756	.3179
4:00	.05	.0006	.0026	12:00	.42	.0055	.1666	5:00	.22	.0028	.0119	:10	5.39	.0720	.3302
12:00	.05	.0006	.0075					6:30	.28	.0024	.0158	:25	4.38	.0585	.3465
p. m.				Apr. 13				10:30	.15	.0019	.0246	:40	3.97	.0521	.3603
3:00	.04	.0005	.0091	a. m.								9:00	3.17	.0416	.3759
4:30	.04	.0005	.0098	12:30	.42	.0055	.0028	p. m.				:20	2.58	.0338	.3885
7:00	.04	.0005	.0111	3:00	.40	.0052	.0163	12:30	.15	.0019	.0284	:40	2.26	.0296	.3991
12:00	.04	.0005	.0138	4:00	.40	.0052	.0215	5:00	.12	.0016	.0365	10:00	2.21	.0290	.4089
Apr. 11				10:00	.42	.0055	.0539	12:00	.12	.0016	.0477	:40	2.21	.0290	.4282
a. m.				11:00	.44	.0057	.0595	Apr. 19				11:00	2.11	.0277	.4377
7:00	.04	.0005	.0038	:45	.42	.0055	.0637	a. m.				12:00	2.11	.0277	.4654
8:00	.04	.0005	.0043					4:30	.12	.0016	.0072	p. m.			
p. m.				Apr. 14				5:30	.12	.0016	.0088	1:00	1.88	.0247	.4920
12:20	.04	.0005	.0064	a. m.				6:00	.13	.0017	.0096	2:00	1.88	.0247	.5167
:42	.04	.0005	.0066	1:20	.46	.0060	.0726	:15	.14	.0018	.0100	:15	1.88	.0247	.5229
:50	.04	.0005	.0067	2:40	.46	.0060	.0806	:40	.14	.0018	.0108	3:00	1.70	.0223	.5405
:00	.05	.0007	.0068	3:00	.50	.0065	.0827	:50	.14	.0018	.0119	4:00	1.58	.0207	.5620
:20	.06	.0008	.0070	4:00	.50	.0065	.0892	11:30	.14	.0018	.0194	:10	1.58	.0207	.5654
:40	.07	.0009	.0073	7:00	.36	.0048	.1060	12:00	.17	.0022	.0204	:30	1.50	.0197	.5822
2:00	.09	.0011	.0076	10:00	.32	.0041	.1192					5:00	1.38	.0181	.6011
:20	.10	.0013	.0080	11:00	.32	.0041	.1233	p. m.				6:00	1.35	.0177	.6190
:40	.10	.0013	.0084	12:00	.30	.0039	.1273	12:30	.26	.0034	.0218	:15	1.38	.0181	.6235
3:00	.15	.0019	.0089					:45	.30	.0039	.0227	8:15	1.38	.0181	.6416
:15	.20	.0027	.0095	Apr. 15				1:00	.42	.0055	.0239	9:00	1.54	.0202	.6560
:30	.28	.0037	.0103	a. m.				:30	.56	.0073	.0271	:30	1.42	.0186	.6557
:40	.40	.0052	.0110	1:30	.28	.0037	.0057	:45	.60	.0079	.0290	10:30	1.31	.0172	.6836
:50	.54	.0070	.0120	2:30	.28	.0037	.0094	2:00	.58	.0076	.0310	11:30	1.20	.0158	.7001
4:00	.78	.0102	.0134	5:15	.26	.0034	.0193	3:00	.46	.0060	.0378	12:00	1.20	.0158	.7080
:10	.92	.0120	.0152	9:00	.26	.0034	.0321	:30	.48	.0062	.0408				
:20	1.01	.0132	.0173	10:00	.30	.0039	.0357	4:00	.48	.0062	.0439	Apr. 21			
:30	1.01	.0132	.0195	12:00	.33	.0043	.0439	:30	.46	.0060	.0469	a. m.			
5:00	.83	.0109	.0255					5:00	.54	.0070	.0501	2:00	1.10	.0144	.0302
:30	.73	.0095	.0306	p. m.				:20	.63	.0082	.0526	:45	1.07	.0140	.0408
6:00	.86	.0113	.0358	2:00	.28	.0037	.0519	:40	.86	.0113	.0559	4:30	1.01	.0132	.0646
:05	.89	.0116	.0368	6:00	.23	.0030	.0655	6:00	1.24	.0162	.0605	6:15	.95	.0124	.0870
:20	.92	.0120	.0398	12:00	.23	.0030	.0835	:15	1.46	.0192	.0649	8:15	.89	.0116	.1110
:35	.92	.0120	.0428					7:00	1.70	.0223	.0805	10:00	.83	.0109	.1306
7:00	1.04	.0136	.0481	Apr. 15				:30	1.92	.0252	.0924	12:00	.78	.0102	.1518
:15	1.27	.0167	.0519	a. m.				:40	2.06	.0270	.0968	p. m.			
:20	1.46	.0192	.0534	3:00	.23	.0030	.0090	8:00	2.11	.0277	.1059	1:30	.72	.0095	.1665
:30	1.83	.0240	.0570	4:30	.20	.0027	.0132	:20	2.31	.0303	.1156	:45	.68	.0088	.1803
:40	2.42	.0317	.0616	7:30	.20	.0027	.0213	:40	2.98	.0391	.1272	3:00	.63	.0082	.1931
				9:00	.26	.0034	.0258	9:00	4.26	.0559	.1430	4:30	.58	.0076	.2049
				10:30	.36	.0048	.0320	:20	4.13	.0552	.1615	8:30	.58	.0076	.2239
				11:15	.36	.0048	.0356	:40	4.38	.0585	.1804	9:30	.56	.0073	.2313
				:45	.35	.0046	.0380	10:00	4.38	.0585	.1999	11:30	.54	.0070	.2457
								:10	4.62	.0617	.2099	12:00	.54	.0070	.2492
								:25	5.39	.0720	.2266				



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Apr. 22	Second-foot	Inches per hour	Inches	May 2	Second-foot	Inches per hour	Inches	May 7	Second-foot	Inches per hour	Inches	May 24	Second-foot	Inches per hour	Inches
a. m.				p. m.				a. m.				p. m.			
1:15	0.52	0.0065	0.0086	9:00	0.03	0.0004	0.0076	6:30	0.03	0.0004	0.0031	3:00	0.56	0.0073	0.0325
2:45	.50	.0065	.0185	12:00	.04	.0005	.0088	8:00	.03	.0004	.0036	:20	.42	.0055	.0346
4:15	.48	.0062	.0281	May 3				10:30	.02	.0002	.0043	:40	.33	.0043	.0362
5:30	.46	.0060	.0357	a. m.				p. m.				4:00	.26	.0034	.0375
7:00	.44	.0057	.0444	5:00	.04	.0005	.0024	1:00	.01	.0002	.0048	:20	.22	.0028	.0385
9:30	.44	.0057	.0586	9:00	.03	.0004	.0041	2:30	.01	.0001	.0050	5:00	.18	.0024	.0402
11:15	.38	.0050	.0680	12:00	.02	.0003	.0051	3:00	.01	.0001		:20	.16	.0021	.0409
p. m.				a. m.				4:30	.01	.0001	.0051	6:00	.14	.0018	.0422
4:00	.33	.0043	.0898	5:00	.04	.0005	.0024	5:00	.01	.0001		:40	.12	.0016	.0433
8:00	.33	.0043	.1070	9:00	.03	.0004	.0041	7:00	T	T	.0053	8:00	.10	.0013	.0452
11:00	.32	.0041	.1136	12:00	.02	.0003	.0051	:50	T	T		9:45	.09	.0011	.0473
12:00	.32	.0041	.1177	p. m.				8:00	.02	.0002		11:00	.08	.0010	.0485
Apr. 23				6:00	.02	.0003	.0067	9:00	.01	.0001	.0055	12:00	.07	.0009	.0495
1:00	.32	.0041	.0041	7:00	.02	.0003	.0070	11:00	.01	.0001	.0057	May 25			
3:00	.30	.0039	.0121	12:00	.02	.0003	.0086	12:00	T	T	.0058	a. m.			
5:30	.30	.0039	.0219	May 4				May 8 <sup>1</sup>	T	T	.0010	12:30	.07	.0009	.0004
10:00	.27	.0035	.0385	a. m.				May 9				2:30	.06	.0008	.0021
p. m.				10:00	.02	.0003	.0031	a. m.				3:30	.06	.0008	.0029
3:00	.22	.0028	.0545	11:00	.02	.0002	.0034	12:00	T	T	.0004	5:00	.05	.0007	.0040
9:00	.22	.0028	.0713	12:00	.01	.0001	.0036	p. m.				6:30	.05	.0006	.0050
12:00	.20	.0027	.0797	p. m.				12:00	0	0	.0004	8:00	.05	.0006	.0059
Apr. 24				2:00	.01	.0001	.0038	May 10-14	0	0	0	10:00	.04	.0005	.0071
4:00	.19	.0025	.0104	4:00	.01	.0001	.0040	p. m.				1:00	.04	.0005	.0086
6:00	.19	.0025	.0154	5:00	T	T	.0041	12:00	0	0		3:00	.03	.0004	.0095
9:30	.17	.0022	.0238	8:00	T	T	.0042	May 15				7:00	.03	.0004	.0111
12:00	.16	.0021	.0293	12:00	T	T	.0044	a. m.				12:00	.03	.0004	.0129
p. m.				May 5				11:30	0	0	0	May 26			
3:00	.14	.0018	.0353	a. m.				:40	T	T		a. m.			
7:00	.14	.0018	.0425	1:00	.01	.0001	.0001	p. m.				7:30	.03	.0004	.0027
9:00	.15	.0019	.0461	5:00	.01	.0001	.0006	12:10	T	T		12:00	.02	.0003	.0041
12:00	.15	.0019	.0518	11:00	.01	.0001	.0014	:30	T	T		p. m.			
Apr. 25				12:00	.01	.0001	.0015	:50	T	T		1:00	.02	.0002	.0043
4:00	.14	.0018	.0072	p. m.				12:00	0	0	T	12:00	.02	.0002	.0067
9:00	.14	.0018	.0162	1:30	.01	.0001	.0017	May 16-22	0	0	0	May 27			
10:00	.13	.0017	.0179	4:00	T	T	.0019	May 23				a. m.			
12:00	.09	.0012	.0209	7:00	T	T	.0020	p. m.				12:00	.02	.0002	.0026
p. m.				12:00	T	T	.0022	2:50	0	0	0	p. m.			
3:00	.09	.0011	.0245	May 6				3:00	T	T	0	2:00	.01	.0001	.0030
12:00	.09	.0011	.0344	a. m.				7:00	T	T	.0001	12:00	.01	.0001	.0044
Apr. 26				p. m.				12:00	T	T	.0002	May 28			
a. m.				4:00	T	T	.0005	May 24				a. m.			
12:00	.09	.0011	.0132	6:41	T	T		a. m.				12:00	.01	.0001	.0016
p. m.				:47	.05	.0007		1:00	T	T		p. m.			
12:00	.07	.0009	.0252	:51	.03	.0004		:45	T	T		1:00	.01	.0001	.0017
Apr. 27 <sup>1</sup>				:54	.08	.0010		4:30	T	T	.0001	4:00	T	T	.0019
12:00	.05	.0006	.0186	:55	.14	.0018		5:30	T	T		6:00	T	T	.0020
Apr. 28 <sup>1</sup>				:56	.22	.0028		6:20	T	T		12:00	T	T	.0022
12:00	.04	.0005	.0139	:57	.27	.0035	.0006	:40	T	T		May 29			
Apr. 29				7:00	.33	.0043	.0008	6:20	T	T		p. m.			
a. m.				:02	.46	.0060	.0010	:45	.01	.0001		5:14	T	T	.0005
12:00	.03	.0004	.0058	:03	.58	.0076	.0011	7:00	.01	.0001		6:28	.01	.0001	.0001
p. m.				:04	.70	.0092	.0012	:30	T	T		6:30	.02	.0003	.0003
3:00	.03	.0004	.0070	:06	1.04	.0136	.0016	8:40	T	T		:31	.05	.0007	.0007
12:00	.03	.0004	.0102	:07	1.35	.0177	.0019	9:00	T	T		:32	.02	.0002	.0002
Apr. 30 <sup>1</sup>				:08	1.70	.0223	.0022	:51	T	T		:37	.05	.0007	.0007
12:00	.02	.0003	.0081	:10	2.26	.0296	.0031	:55	.05	.0006		:40	.08	.0010	.0010
May 1				:15	3.17	.0416	.0061	:56	.08	.0010		:42	.13	.0017	.0017
a. m.				:18	3.55	.0466	.0083	:57	.11	.0014		:45	.18	.0024	.0024
12:00	.03	.0004	.0058	:25	3.17	.0416	.0134	:58	.16	.0021		:50	.27	.0035	.0035
p. m.				:30	2.63	.0345	.0166	10:00	.23	.0030	.0002	7:00	.19	.0025	.0025
3:00	.03	.0004	.0070	:35	2.16	.0283	.0192	:03	.33	.0043	.0004	:10	.15	.0019	.0019
12:00	.03	.0004	.0102	:40	1.74	.0228	.0213	:10	.46	.0060	.0010	:20	.13	.0017	.0022
Apr. 30 <sup>1</sup>				:50	1.20	.0158	.0245	:25	.52	.0068	.0026	:40	.15	.0019	.0028
12:00	.06	.0008	.0050	8:00	.86	.0113	.0268	:45	.48	.0062	.0048	:15	.13	.0017	.0034
May 2				:10	.60	.0079	.0284	11:00	.42	.0055	.0062	:10	.10	.0013	.0038
a. m.				:20	.48	.0062	.0296	:12	.38	.0050	.0072	:09	.09	.0011	.0041
12:00	.04	.0005	.0062	:30	.38	.0050	.0305	:25	.38	.0050	.0083	:06	.06	.0008	.0046
p. m.				:40	.30	.0039	.0312	:45	.48	.0062	.0102	:05	.05	.0006	.0049
3:00	.03	.0004	.0066	:50	.26	.0034	.0318	12:00	.68	.0088	.0121	:40	.05	.0006	.0050
12:00	.03	.0004	.0098	9:00	.22	.0028	.0323	p. m.				:45	.06	.0008	.0051
May 3				:20	.17	.0022	.0331	12:15	.80	.0105	.0145	:50	.10	.0013	.0052
a. m.				:40	.14	.0018	.0338	:20	.80	.0105	.0154	:55	.16	.0021	.0052
12:00	.02	.0003	.0014	10:00	.12	.0016	.0344	:30	.78	.0102	.0171	10:00	.18	.0024	.0054
p. m.				:30	.09	.0012	.0351	:50	.58	.0076	.0201	:05	.19	.0025	.0056
3:00	.03	.0004	.0021	:50	.09	.0011	.0355	11:00	.50	.0065	.0213	:15	.18	.0024	.0060
7:00	.03	.0004	.0035	11:30	.08	.0010	.0362	:20	.38	.0050	.0232	:25	.15	.0019	.0064
10:15	.07	.0009	.0036	12:00	.06	.0008	.0367	:30	.30	.0039	.0247	:35	.20	.0027	.0068
12:00	.06	.0008	.0050	May 7				:50	.28	.0037	.0253	:45	.27	.0035	.0073
May 4				a. m.				2:00	.35	.0046	.0260	:55	.30	.0039	.0079
1:00	.04	.0005	.0062	1:00	.05	.0006	.0007	:08	.46	.0060	.0267	11:00	.30	.0039	.0082
3:00	.03	.0004	.0066	2:00	.04	.0005	.0012	:30	.46	.0060	.0289	:30	.24	.0032	.0100
12:00	.03	.0004	.0098	5:00	.03	.0004	.0025	:45	.58	.0076	.0306	12:00	.18	.0024	.0114
May 5								:55	.58	.0076	.0319				

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
May 30				June 2				June 8				June 10			
a. m.				a. m.				p. m.				p. m.			
12:20	0.14	0.0018	0.0007	5:00	0.11	0.0014	0.0070	4:00	0.04	0.0005	0.0055	3:17	0.68	0.0088	0.1082
1:40	.11	.0014	.0012	7:00	.10	.0013	.0098	5:50	.03	.0004	.0055	4:25	.86	.0113	.1095
1:00	.08	.0010	.0016	10:30	.10	.0013	.0144	5:00	.06	.0008	.0056	4:45	.75	.0098	.1130
1:10	.07	.0009	.0018					5:20	.10	.0013	.0059	4:00	.75	.0098	.1154
1:15	.11	.0014	.0019	p. m.				6:00	.07	.0009	.0066	4:10	.68	.0088	.1170
2:00	.17	.0022	.0021	1:00	.09	.0011	.0174	5:50	.05	.0006	.0072	4:20	.58	.0076	.1184
2:30	.26	.0034	.0022	4:00	.07	.0009	.0204	7:10	.04	.0005	.0074	4:40	.44	.0057	.1206
3:00	.38	.0050	.0027	6:30	.07	.0009	.0226	8:00	.03	.0004	.0078	5:00	.35	.0046	.1223
3:50	.38	.0050	.0031	8:30	.08	.0010	.0246	11:00	.02	.0003	.0087	5:30	.27	.0035	.1243
4:45	.32	.0041	.0039	12:00	.09	.0011	.0281	3:30	.02	.0003	.0088	6:00	.23	.0030	.1259
5:00	.38	.0050	.0043					12:00	.04	.0005	.0090	7:00	.18	.0024	.1286
5:53	.52	.0068	.0046	June 3								7:15	.20	.0027	.1292
5:55	.63	.0082	.0048	a. m.				June 9				8:20	.18	.0024	.1319
2:00	.80	.0105	.0056	7:00	.08	.0010	.0070	a. m.				9:00	.16	.0021	.1324
2:08	.86	.0113	.0071	9:00	.08	.0010	.0090	1:10	.02	.0003	.0004	10:30	.13	.0017	.1362
2:20	.72	.0095	.0092	10:00	.07	.0009	.0100	3:00	.05	.0007	.0006	11:30	.12	.0016	.1378
4:00	.58	.0076	.0121	11:30	.07	.0009	.0114	2:10	.05	.0007	.0010	12:00	.11	.0014	.1386
3:00	.42	.0055	.0143	12:00	.06	.0008	.0118	3:30	.09	.0012	.0013				
1:15	.33	.0043	.0155					4:45	.12	.0016	.0017	June 11			
3:00	.26	.0034	.0165	p. m.				3:30	.09	.0011	.0027	a. m.			
4:45	.22	.0028	.0173	3:15	.06	.0008	.0143	4:20	.05	.0007	.0035	12:30	.11	.0014	.0007
4:00	.18	.0024	.0179	5:00	.06	.0008	.0157	6:00	.04	.0005	.0045	1:30	.10	.0013	.0021
3:00	.14	.0018	.0182	12:00	.06	.0008	.0216	7:30	.03	.0004	.0051	3:30	.09	.0011	.0045
5:00	.12	.0016	.0197	June 4				11:00	.02	.0003	.0062	4:45	.09	.0012	.0048
4:00	.10	.0013	.0206	a. m.				p. m.				5:00	.12	.0016	.0049
6:00	.10	.0013	.0210	9:30	.06	.0008	.0080	1:00	.01	.0002	.0066	5:30	.12	.0016	.0076
7:00	.09	.0012	.0222	11:30	.05	.0007	.0095	2:45	.01	.0002	.0069	6:15	.10	.0013	.0086
8:00	.09	.0012	.0228					3:45	.01	.0001	.0070	7:00	.09	.0012	.0095
9:00	.17	.0022	.0251	p. m.				4:00	.03	.0001	.0071	8:15	.09	.0011	.0110
10:00	.20	.0027	.0259	2:00	.04	.0005	.0110	4:15	.04	.0005	.0071	10:00	.08	.0010	.0128
11:00	.19	.0025	.0307	3:00	.03	.0004	.0115	5:00	.05	.0008	.0078	11:00	.07	.0009	.0138
12:00	.16	.0021	.0330	6:00	.03	.0004	.0127	1:15	.09	.0012	.0080	p. m.			
				7:30	.04	.0005	.0134	3:00	.12	.0016	.0084	12:20	.06	.0008	.0150
				9:30	.04	.0005	.0145	6:00	.10	.0013	.0091	1:25	.10	.0013	.0151
				12:00	.05	.0006	.0159	7:30	.07	.0009	.0097	4:40	.10	.0013	.0154
				June 5				8:30	.05	.0007	.0101	5:00	.09	.0011	.0158
				a. m.				9:15	.03	.0004	.0109	5:25	.09	.0012	.0163
				9:30	.05	.0006	.0058	12:00	.02	.0003	.0121	5:28	.13	.0017	.0164
				11:30	.04	.0005	.0069	June 10				5:29	.17	.0022	.0166
				p. m.				a. m.				5:30	.26	.0034	.0165
				2:30	.02	.0003	.0080	4:00	.02	.0003	.0012	5:31	.36	.0048	.0166
				4:30	.01	.0002	.0084	9:00	.02	.0003	.0026	5:32	.52	.0068	.0167
				6:00	.01	.0002	.0086	11:00	.02	.0003	.0031	5:33	.72	.0095	.0167
				8:00	.02	.0003	.0090	p. m.				5:34	.92	.0120	.0169
				12:00	.03	.0004	.0102	1:09	.01	.0002	.0036	5:35	1.10	.0144	.0171
				June 6				1:10	.02	.0003	.0033	5:37	1.54	.0202	.0177
				a. m.				1:15	.04	.0005	.0038	5:40	1.92	.0252	.0188
				3:00	.03	.0004	.0012	1:20	.05	.0007	.0041	5:45	2.63	.0345	.0213
				7:00	.03	.0004	.0029	1:25	.09	.0011	.0048	5:50	3.49	.0458	.0247
				10:00	.03	.0004	.0041	1:30	.14	.0018	.0053	5:55	4.11	.0539	.0289
				12:00	.02	.0003	.0047	1:35	.19	.0025	.0057	6:00	4.57	.0600	.0337
				p. m.				1:40	.28	.0037	.0063	6:05	3.69	.0484	.0427
				3:00	.01	.0002	.0054	1:45	.42	.0055	.0068	6:10	2.98	.0391	.0463
				7:30	.01	.0002	.0062	1:50	.56	.0073	.0069	6:15	2.47	.0324	.0493
				12:00	.02	.0003	.0072	1:55	.80	.0105	.0040	6:20	1.66	.0218	.0538
				June 7				2:00	1.10	.0144	.0042	6:25	1.17	.0153	.0569
				a. m.				2:05	1.46	.0192	.0045	6:30	.86	.0113	.0591
				2:00	.02	.0003	.0006	2:10	1.46	.0192	.0045	6:35	.65	.0085	.0607
				8:00	.02	.0003	.0025	2:15	2.11	.0277	.0053	6:40	.52	.0068	.0620
				10:30	.02	.0003	.0032	2:20	2.81	.0369	.0064	6:45	.40	.0052	.0635
				11:30	.02	.0003	.0035	2:25	3.65	.0488	.0078	6:50	.32	.0041	.0650
				12:00	.04	.0005	.0037	2:30	4.62	.0617	.0093	6:55	.27	.0035	.0660
				p. m.				2:35	5.66	.0756	.0119	7:00	.22	.0028	.0676
				4:00	.02	.0003	.0053	2:40	6.76	.0903	.0161	7:05	.19	.0025	.0689
				6:30	.02	.0003	.0061	2:45	7.64	.102	.0177	7:10	.17	.0022	.0701
				7:00	.03	.0004	.0063	2:50	9.10	.123	.0196	7:15	.16	.0021	.0712
				10:30	.03	.0004	.0076	2:55	10.5	.140	.0218	7:20	.14	.0018	.0724
				11:00	.05	.0006	.0078	3:00	12.2	.163	.0269	7:25	.13	.0017	.0749
				12:00	.05	.0006	.0084	3:05	13.3	.178	.0297	7:30	.12	.0016	.0773
				June 8				3:10	14.1	.188	.0389	7:35	.11	.0014	.0795
				a. m.				3:15	16.8	.0538	.0538	7:40	.11	.0014	.0809
				12:30	.05	.0007	.0003	3:20	17.8	.0593	.0593	June 12			
				3:00	.03	.0004	.0017	3:25	18.8	.0667	.0667	a. m.			
				6:00	.02	.0003	.0028	3:30	19.9	.0709	.0709	3:00	.10	.0013	.0042
				8:00	.02	.0003	.0034	3:35	20.2	.0746	.0746	9:00	.09	.0012	.0114
				12:00	.02	.0003	.0044	3:40	21.2	.0792	.0792	10:30	.09	.0011	.0132
				p. m.				3:45	22.6	.0846	.0846	11:30	.08	.0010	.0142
				1:00	.01	.0002	.0046	3:50	24.1	.0903	.0903	p. m.			
				3:50	.01	.0002	.0051	3:55	25.9	.0969	.0969	12:05	.08	.0010	.0148
								4:00	27.8	.1036	.1036	10:10	.09	.0011	.0149
								4:05	29.9	.1066	.1066	12:15	.13	.0017	.0150
								4:10	31.9	.1106	.1106	12:20	.17	.0022	.0151
								4:15	33.9	.1146	.1146	12:25	.23	.0030	.0152
								4:20	35.9	.1186	.1186	12:30	.33	.0043	.0153
								4:25	37.9	.1226	.1226	12:35	.44	.0057	.0154
								4:30	39.9	.1266	.1266	12:40	.70	.0092	.0154
								4:35	41.9	.1306	.1306	12:45	.95	.0124	.0156
								4:40	43.9	.1346	.1346	12:50	1.24	.0162	.0158



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 12	Second-foot	Inches per hour	Inches	June 15	Second-foot	Inches per hour	Inches	June 18	Second-foot	Inches per hour	Inches	June 23	Second-foot	Inches per hour	Inches
<i>p. m.</i>				<i>a. m.</i>				<i>p. m.</i>				<i>a. m.</i>			
12:25	1.70	0.0223	0.0164	9:30	0.14	0.0018	0.0178	4:08	56.2	0.751	0.1156	5:30	0.07	0.0009	0.0055
28	2.31	0.0303	0.177	11:00	.13	.0017	.0205	10	58.1	.776	.1410	9:15	.07	.0009	.0089
32	3.23	.0424	.0201	30	.11	.0014	.0213	15	51.2	.684	.2018				
34	3.65	.0488	.0216					18	44.0	.588	.2336	<i>p. m.</i>			
36	4.13	.0552	.0233	<i>p. m.</i>				20	39.5	.528	.2522	2:00	.05	.0006	.0126
40	5.13	.0685	.0274	2:30	.09	.0012	.0252	22	34.6	.462	.2687	5:00	.05	.0006	.0144
44	5.93	.0792	.0323	4:30	.09	.0011	.0276	24	30.5	.408	.2832	30	.05	.0007	.0147
47	6.20	.0828	.0363	6:00	.09	.0011	.0292	26	26.5	.354	.2959	8:20	.06	.0008	.0169
53	5.66	.0756	.0412	7:00	.10	.0013	.0304	28	22.8	.305	.3069	22	.09	.0011	
57	4.88	.0652	.0469	8:30	.11	.0014	.0325	30	21.1	.268	.3165	24	.15	.0019	
1:00	4.13	.0552	.0519	12:00	.11	.0014	.0374	32	17.6	.235	.3249	25	.22	.0028	
55	3.69	.0484	.0562					35	14.5	.194	.3356	26	.30	.0039	.0170
10	2.86	.0375	.0598	June 16				39	11.5	.154	.3472	27	.48	.0062	.0171
15	2.26	.0296	.0626	<i>a. m.</i>				42	9.51	.127	.3542	28	.95	.0124	.0173
20	1.83	.0240	.0648	3:00	.10	.0013	.0042	47	7.05	.0942	.3634	29	1.66	.0218	.0176
25	1.50	.0197	.0666	7:00	.10	.0013	.0094	50	5.93	.0792	.3677	30	3.23	.0424	.0181
30	1.24	.0162	.0681	12:00	.08	.0010	.0154	55	4.88	.0652	.3737	31	4.49	.0589	.0189
40	.92	.0120	.0705	<i>p. m.</i>				5:00	4.04	.0530	.3786	32	4.88	.0652	.0199
50	.70	.0092	.0723	3:00	.07	.0009	.0184	55	3.36	.0441	.3826	34	6.48	.0866	.0224
2:00	.56	.0073	.0737	6:30	.07	.0009	.0216	10	2.81	.0369	.3860	36	7.94	.106	.0256
20	.40	.0052	.0758	9:00	.08	.0010	.0241	20	2.11	.0277	.3914	40	9.19	.123	.0332
40	.32	.0041	.0773	12:00	.08	.0010	.0271	30	1.58	.0207	.3954	43	11.2	.150	.0400
3:00	.27	.0035	.0786					40	1.27	.0167	.3985	44	12.6	.168	.0426
50	.22	.0028	.0813					6:00	.89	.0116	.4032	46	14.1	.188	.0485
5:00	.18	.0024	.0843	June 17				20	.70	.0092	.4067	48	14.8	.198	.0549
6:20	.15	.0019	.0872	<i>a. m.</i>				40	.58	.0076	.4095	50	14.5	.194	.0614
8:00	.14	.0018	.0902	6:30	.08	.0010	.0065	7:00	.50	.0065	.4118	55	11.9	.159	.0761
52	.14	.0018	.0918	10:00	.07	.0009	.0100	30	.42	.0055	.4148	57	10.5	.140	.0811
58	.14	.0018	.0920	12:00	.06	.0008	.0118	8:30	.33	.0043	.4197	9:00	9.19	.123	.0877
9:00	.19	.0025	.0921	<i>p. m.</i>				9:30	.28	.0037	.4237	10	7.34	.0981	.0932
10	.30	.0039	.0922	2:00	.06	.0008	.0134	10:30	.26	.0034	.4273	30	6.48	.0866	.0963
20	.46	.0052	.0923	12:00	.06	.0008	.0210	12:00	.23	.0030	.4321	10	4.88	.0652	.1026
30	.63	.0082	.0924									15	3.90	.0512	.1074
40	.89	.0116	.0926	June 18				<i>a. m.</i>				20	3.04	.0399	.1112
55	1.27	.0167	.0928	7:42	.06	.0008	.0059	12:30	.23	.0030	.0015	25	2.42	.0317	.1142
1:00	1.58	.0207	.0931	14:5	.06	.0008	.0082	2:00	.22	.0028	.0059	30	2.01	.0264	.1166
2:00	1.97	.0258	.0939	15:5	.10	.0013	.0084	4:00	.20	.0027	.0115	40	1.62	.0212	.1206
3:00	2.42	.0317	.0949	8:00	.12	.0016	.0085	7:30	.19	.0025	.0206	50	1.38	.0181	.1239
4:00	2.86	.0375	.0961	10	.12	.0016	.0088	9:30	.18	.0024	.0254	10:00	1.20	.0158	.1267
5:00	3.62	.0475	.0982	30	.14	.0018	.0094	10:30	.18	.0024	.0278	10	1.07	.0140	.1292
6:00	3.65	.0488	.1022	35	.20	.0027	.0096	50	.23	.0030	.0287	30	.80	.0105	.1333
7:00	4.13	.0552	.1091	55	.26	.0034	.0108	12:00	.19	.0025	.0320	45	.63	.0082	.1357
8:00	3.90	.0521	.1154	1:00	.28	.0037	.0123					11:00	.50	.0065	.1375
9:00	3.42	.0449	.1194	25	.28	.0037	.0123					15	.40	.0052	.1389
10:00	2.75	.0361	.1228	40	.27	.0035	.0123					45	.30	.0039	.1412
11:00	2.26	.0296	.1255	50	.20	.0027	.0096					12:00	.27	.0035	.1421
12:00	1.88	.0247	.1278	1:00	.20	.0027	.0096	<i>p. m.</i>							
1:00	1.58	.0207	.1297	2:00	.26	.0034	.0108	12:30	.17	.0022	.0332	June 24			
2:00	1.14	.0149	.1327	3:00	.28	.0037	.0123	2:00	.15	.0019	.0362	<i>a. m.</i>			
3:00	.86	.0113	.1349	4:00	.33	.0043	.0162	3:00	.14	.0018	.0380	12:50	.22	.0028	.0027
4:00	.70	.0092	.1366	5:00	.33	.0043	.0173	8:00	.14	.0018	.0470	2:00	.18	.0024	.0057
5:00	.58	.0076	.1380	6:00	.28	.0037	.0186	10:30	.15	.0019	.0515	4:45	.17	.0022	.0074
6:00	.44	.0057	.1402	7:00	.27	.0035	.0192	12:00	.15	.0019	.0543	4:45	.15	.0019	.0114
7:00	.35	.0046	.1428	8:00	.28	.0037	.0198					6:45	.13	.0017	.0150
8:00	.30	.0039	.1449	9:00	.40	.0052	.0202					8:30	.12	.0016	.0178
June 13				10:00	.60	.0079	.0208	June 20				10:30	.11	.0014	.0208
<i>a. m.</i>				11:00	.65	.0085	.0215	<i>a. m.</i>				11:00	.12	.0016	.0216
1:15	.24	.0032	.0045	12:00	.56	.0073	.0235	4:30	.15	.0019	.0086	12:00	.12	.0016	.0232
2:45	.22	.0028	.0090		.60	.0079	.0248	8:00	.14	.0018	.0149				
3:45	.20	.0027	.0118	<i>p. m.</i>				9:30	.14	.0018	.0176				
5:15	.19	.0025	.0157	12:10	.65	.0085	.0262	10:30	.13	.0017	.0194	<i>p. m.</i>			
7:00	.18	.0024	.0199	20	.58	.0076	.0275					2:00	.09	.0011	.0260
8:00	.18	.0024	.0223	40	.44	.0057	.0297	<i>p. m.</i>				3:30	.09	.0011	.0276
11:00	.16	.0021	.0289	1:00	.33	.0043	.0314	4:00	.10	.0013	.0276	4:30	.07	.0009	.0286
				30	.24	.0032	.0333	6:30	.10	.0013	.0308	7:00	.06	.0008	.0308
12:30	.14	.0018	.0319	2:00	.20	.0027	.0348	8:30	.11	.0014	.0336	12:00	.06	.0008	.0350
1:30	.13	.0017	.0337	3:00	.18	.0024	.0374	12:00	.12	.0016	.0388				
3:00	.12	.0016	.0369	35	.15	.0019	.0387	June 21				June 25			
6:00	.12	.0016	.0409	44	.18	.0024	.0390	<i>a. m.</i>				<i>a. m.</i>			
8:00	.13	.0017	.0441	45	.24	.0032	.0431	3:00	.11	.0014	.0045	7:00	.06	.0008	.0059
11:00	.14	.0018	.0495	46	.33	.0043	.0391	6:00	.11	.0014	.0087	8:00	.06	.0008	.0067
12:00	.14	.0018	.0513	47	.44	.0057	.0392	9:00	.10	.0013	.0129	11:00	.05	.0006	.0088
June 14				49	.54	.0070	.0394	11:00	.10	.0013	.0155	<i>p. m.</i>			
<i>a. m.</i>				50	.83	.0109	.0396	30	.10	.0013	.0161	1:00	.05	.0006	.0100
9:30	.14	.0018	.0171	51	1.17	.0153	.0398					2:00	.04	.0005	.0106
11:00	.13	.0017	.0198	52	1.66	.0218	.0401	<i>p. m.</i>				4:00	.04	.0005	.0116
12:00	.12	.0016	.0214	53	2.58	.0338	.0406	12:45	.09	.0011	.0176	5:00	.05	.0006	.0121
				54	3.90	.0512	.0413	4:00	.07	.0009	.0208	6:30	.05	.0006	.0130
<i>p. m.</i>				55	4.62	.0617	.0421	8:30	.09	.0011	.0253	44	.05	.0006	.0131
5:00	.12	.0016	.0294	56	5.39	.0720	.0433	12:00	.09	.0012	.0295	55	.07	.0009	.0132
6:10	.18	.0024	.0317	57	7.05	.0942	.0447					7:00	.10	.0013	.0133
8:15	.15	.0019	.0363	58	8.87	.119	.0465	June 22				7:00	.17	.0022	.0135
12:00	.15	.0019	.0434	59	10.5	.140	.0487	<i>a. m.</i>				7:00	.24	.0032	.0136
June 15				4:00	14.1	.189	.0514	8:00	.09	.0012	.0096	8:00	.35	.0046	.0137
<i>a. m.</i>				10	18.8	.251	.0551	10:30	.09	.0011	.0126	11:00	.44	.0057	.0142
3:30	.15	.0019	.0070	20	23.7	.317	.0598					15	.35	.0046	.0151
6:00	.14	.0018	.0115	30	28.5	.381	.0656	<i>p. m.</i>				35	.46	.0060	.0160
				40	36.8	.492	.0729	12:30	.08	.0010	.0146	40	.54	.0070	.0165
				50	42.9	.573	.0818	12:00	.08	.0010	.0261	45	.56	.0073	.0171
				60	49.4	.660	.0921					50	.54	.0070	.0177



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 25				June 28				July 1				July 7			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
8:00	0.46	0.0060	0.0188	9:03	6.48	0.0866	0.3558	12:05	3.36	0.0441	0.0036	1:30	0.03	0.0004	0.0085
10	.36	.0048	.0197	9:04	7.34	.0981	.3573	10	3.29	.0432	.0072	4:30	.02	.0003	.0097
20	.30	.0039	.0204	9:05	8.87	.118	.3591	20	3.04	.0399	.0141	6:00	.02	.0003	.0102
30	.24	.0032	.0210	9:07	10.5	.140	.3634	30	2.58	.0338	.0202	7:30	.03	.0004	.0108
45	.19	.0025	.0217	9:08	12.2	.163	.3659	40	2.11	.0277	.0253	10:00	.04	.0005	.0118
9:00	.15	.0019	.0223	9:10	16.0	.214	.3722	50	1.74	.0228	.0295	12:00	.04	.0005	.0128
30	.11	.0014	.0231	9:11	20.1	.268	.3762	1:00	1.54	.0202	.0331				
10:00	.09	.0012	.0237	9:12	24.6	.329	.3812	10	1.35	.0177	.0363	July 8			
15	.10	.0013	.0240	9:13	29.5	.394	.3872	30	1.24	.0163	.0420	<i>a. m.</i>			
20	.10	.0013	.0241	9:14	35.1	.469	.3944	45	1.04	.0136	.0457	9:00	.04	.0005	.0027
45	.09	.0012	.0246	9:15	40.1	.536	.4028	2:00	.89	.0117	.0489				
12:00	.09	.0011	.0261	9:17	45.8	.612	.4219	20	.80	.0105	.0526				
June 26				9:19	50.0	.668	.4432	45	.80	.0105	.0570				
<i>a. m.</i>				9:21	51.2	.684	.4657	3:00	.75	.0098	.0595	12:30	.03	.0004	.0041
1:30	.08	.0010	.0015	9:25	47.6	.636	.5097	30	.58	.0076	.0639	3:00	.02	.0003	.0049
4:30	.07	.0009	.0045	9:30	40.6	.542	.5588	40	.48	.0063	.0674	6:00	.02	.0003	.0058
9:00	.06	.0008	.0085	9:34	34.1	.456	.5921	5:00	.40	.0052	.0731	10:00	.03	.0004	.0074
				9:36	30.5	.408	.6065	6:00	.35	.0046	.0780	12:00	.03	.0004	.0082
<i>p. m.</i>				9:38	27.0	.361	.6193	7:30	.31	.0041	.0845				
12:10	.06	.0008	.0111	9:41	23.3	.311	.6361	9:00	.28	.0037	.0904	July 9			
15	.11	.0014	.0112	9:44	19.3	.258	.6503	10:30	.26	.0034	.0957	<i>a. m.</i>			
20	.18	.0024	.0114	9:48	16.0	.214	.6660	11:30	.23	.0030	.0989	2:00	.03	.0004	.0008
25	.32	.0041	.0117	9:50	14.1	.188	.6727					9:30	.04	.0005	.0038
45	.27	.0035	.0130	9:54	11.5	.154	.6841					11:30	.03	.0004	.0048
1:05	.33	.0043	.0143	9:58	9.51	.127	.6935					<i>p. m.</i>			
30	.26	.0034	.0159	10:00	8.55	.114	.6975	1:30	.20	.0026	.1045	2:30	.03	.0004	.0060
2:00	.19	.0025	.0174	10:05	7.34	.0981	.7063	3:30	.19	.0025	.1095	3:30	.02	.0003	.0063
30	.14	.0018	.0185	10:10	6.20	.0828	.7138	4:30	.18	.0024	.1119	6:00	.02	.0003	.0071
3:00	.12	.0016	.0193	10:15	5.39	.0721	.7202	7:00	.20	.0026	.1182	9:55	.03	.0004	.0087
4:30	.09	.0011	.0214	10:20	4.62	.0617	.7258	12:00	.20	.0026	.1312	10:00	.05	.0007	.0088
6:00	.07	.0009	.0229	10:35	3.76	.0493	.7397	July 2				10:05	.06	.0008	.0088
7:30	.07	.0009	.0243	10:45	2.81	.0369	.7469	<i>a. m.</i>				30	.05	.0006	.0091
10:00	.06	.0008	.0265	11:00	1.92	.0252	.7547	8:30	.20	.0026	.0117	30	.05	.0006	.0091
12:00	.06	.0008	.0282	11:15	1.42	.0186	.7602	9:15	.18	.0024	.0136	11:15	.04	.0005	.0095
June 27				11:30	1.10	.0144	.7643	12:00	.16	.0021	.0206	12:00	.04	.0005	.0099
<i>a. m.</i>				11:45	.86	.0113	.7675					July 10			
2:30	.06	.0008	.0021	12:00	.75	.0098	.7701					<i>a. m.</i>			
6:00	.06	.0008	.0049									1:00	.03	.0004	.0005
8:30	.06	.0008	.0068	12:20	.60	.0079	.7730					8:30	.03	.0004	.0035
9:30	.05	.0006	.0075	1:00	.50	.0065	.7778					10:00	.03	.0004	.0041
11:00	.05	.0006	.0084	2:00	.40	.0052	.7836					12:00	.02	.0003	.0049
				3:00	.36	.0048	.7886					<i>p. m.</i>			
<i>p. m.</i>				4:00	.33	.0043	.7932					12:45	.02	.0003	.0051
2:00	.03	.0004	.0099	7:00	.32	.0041	.8058					2:00	.01	.0002	.0054
4:30	.03	.0004	.0109	10:00	.33	.0043	.8184					4:30	.01	.0001	.0057
5:30	.03	.0004	.0113	12:00	.35	.0046	.8272					8:30	.01	.0001	.0061
8:30	.04	.0005	.0125	June 29								10:15	.01	.0002	.0065
10:00	.04	.0005	.0132	<i>a. m.</i>								11:30	.02	.0002	.0068
12:00	.04	.0005	.0142	7:00	.35	.0046	.0322					12:00	.02	.0002	.0069
June 28				10:00	.32	.0041	.0454								
<i>a. m.</i>				11:40	.32	.0041	.0522								
7:45	.04	.0005	.0004	12:00	.38	.0050	.0537								
46	.09	.0012													
47	.56	.0073	.0005	<i>p. m.</i>											
48	1.07	.0140	.0007	1:15	.30	.0039	.0592								
49	2.16	.0283	.0011	3:00	.28	.0037	.0658								
50	3.90	.0512	.0018	4:00	.27	.0035	.0694								
51	4.88	.0652	.0028	12:00	.26	.0034	.0966								
52	5.93	.0792	.0040	June 30											
53	7.34	.0981	.0055	<i>a. m.</i>											
54	8.87	.118	.0073	2:00	.26	.0034	.0068								
55	10.5	.140	.0095	8:30	.23	.0030	.0276								
56	12.2	.163	.0120	11:00	.20	.0027	.0346								
57	15.6	.208	.0151	<i>p. m.</i>											
58	19.7	.263	.0190	1:00	.19	.0025	.0398								
59	25.6	.342	.0240	3:30	.19	.0025	.0460								
8:00	32.5	.434	.0305	4:00	.20	.0027	.0473								
01	40.6	.542	.0386	20	.22	.0028	.0482								
03	47.6	.636	.0582	5:00	.22	.0028	.0501								
05	50.0	.668	.0793	6:00	.24	.0032	.0531								
10	44.6	.596	.1326	7:00	.30	.0039	.0564								
13	39.5	.528	.1607	8:00	.35	.0046	.0592								
18	34.6	.462	.2019	9:00	.30	.0039	.0650								
22	30.0	.401	.2307	10:00	.26	.0034	.0671								
27	26.5	.354	.2621	11:00	.27	.0035	.0685								
30	23.3	.311	.2787	12:00	.32	.0041	.0701								
33	20.1	.268	.2932												
37	16.0	.214	.3093	<i>p. m.</i>											
40	13.0	.174	.3190	1:00	.19	.0025	.0398								
43	10.8	.144	.3270	3:30	.19	.0025	.0460								
46	8.87	.118	.3336	4:00	.20	.0027	.0473								
50	6.76	.0903	.3406	20	.22	.0028	.0482								
54	5.39	.0720	.3400	5:00	.22	.0028	.0501								
57	4.62	.0617	.3493	6:00	.24	.0032	.0531								
59	4.38	.0585	.3513	7:00	.30	.0039	.0564								
9:00	4.62	.0617	.3523	8:00	.35	.0046	.0592								
02	5.39	.0720	.3545	9:00	.30	.0039	.0650								
				10:00	.26	.0034	.0671								
				11:00	.27	.0035	.0685								
				12:00	.32	.0041	.0701								
				1:00	.19	.0025	.0398								
				3:30	.19	.0025	.0460								
				4:00	.20	.0027	.0473								
				20	.22	.0028	.0482								
				5:00	.22	.0028	.0501								
				6:00	.24	.0032	.0531								
				7:00	.30	.0039	.0564								
				8:00	.35	.0046	.0592								
				9:00	.30	.0039	.0650								
				10:00	.26	.0034	.0671								
				11:00	.27	.0035	.0685								
				12:00	.32	.0041	.0701								
				1:00	.19	.0025	.0398								
				3:30	.19	.0025	.0460								
				4:00	.20	.0027	.0473								
				20	.22	.0028	.0482								
				5:00	.22	.0028	.0501								
				6:00	.24	.0032	.0531								



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
July 11				July 22				July 23				July 23			
p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches
9:00	0.07	0.0009	0.0125	3:10	0.02	0.0003		1:35	0.70	0.0092	0.0360	9:15	0.92	0.0121	0.3023
9:45	0.06	0.0008	0.0132	3:15	0.03	0.0004		3:40	0.56	0.0073	0.0367	9:20	0.78	0.0102	0.3032
10:45	0.05	0.0006	0.0139	3:22	0.02	0.0003		3:50	0.40	0.0052	0.0377	9:30	0.58	0.0076	0.3047
12:00	0.05	0.0006	0.0147	3:26	0.01	0.0002		2:00	0.30	0.0039	0.0385	9:40	0.46	0.0060	0.3058
July 12				3:33	0.01	0.0001	0.0006	3:10	0.23	0.0030	0.0391	9:50	0.36	0.0047	0.3067
a. m.				3:37	0.01	0.0001		3:20	0.18	0.0024	0.0396	10:00	0.31	0.0041	0.3074
12:30	0.04	0.0005	0.0003	3:38	0.03	0.0004		3:30	0.16	0.0021	0.0400	10:10	0.27	0.0035	0.3080
3:00	0.04	0.0005	0.0016	3:39	0.15	0.0019	0.0009	3:40	0.13	0.0017	0.0403	10:22	0.23	0.0030	0.3086
4:30	0.03	0.0004	0.0022	3:40	0.36	0.0047	0.0010	3:50	0.11	0.0014	0.0405	10:34	0.20	0.0026	0.3092
8:00	0.03	0.0004	0.0036	3:41	0.70	0.0092	0.0011	4:00	0.10	0.0013	0.0407	11:00	0.16	0.0021	0.3102
9:30	0.02	0.0003	0.0042	3:42	0.98	0.0129	0.0013	3:15	0.09	0.0011	0.0410	11:30	0.13	0.0017	0.3112
12:00	0.02	0.0003	0.0050	3:43	1.24	0.0163	0.0015	3:35	0.07	0.0009	0.0413	12:00	0.11	0.0014	0.3120
p. m.				3:44	1.50	0.0197	0.0018	3:45	0.07	0.0009	0.0415				
1:15	0.01	0.0002	0.0053	3:45	1.74	0.0228	0.0022	3:50	0.06	0.0008	0.0416				
5:30	0.01	0.0002	0.0062	3:47	2.31	0.0303	0.0031	4:00	0.06	0.0008	0.0417	July 24			
6:30	0.01	0.0001	0.0064	3:52	2.81	0.0369	0.0039	3:10	0.05	0.0007	0.0418	a. m.			
7:15	0.01	0.0001	0.0065	3:55	2.92	0.0383	0.0048	3:40	0.05	0.0006	0.0422	1:00	0.09	0.0011	0.0013
8:15	0.01	0.0001	0.0066	4:00	2.69	0.0353	0.0109	3:50	0.05	0.0006	0.0424	2:00	0.07	0.0009	0.0023
9:30	0.01	0.0001	0.0067	4:10	1.83	0.0240	0.0153	3:03	0.06	0.0008		3:30	0.06	0.0008	0.0035
11:30	0.01	0.0002	0.0069	4:15	1.46	0.0192	0.0176	3:05	0.07	0.0009		5:00	0.05	0.0006	0.0046
12:00	0.01	0.0002	0.0070	4:20	1.14	0.0150	0.0190	3:07	0.09	0.0012	0.0427	6:00	0.04	0.0005	0.0051
July 13				4:25	0.92	0.0121	0.0201	3:11	0.12	0.0016	0.0428	7:30	0.04	0.0005	0.0058
a. m.				4:30	0.73	0.0096	0.0210	3:13	0.17	0.0022	0.0429	9:00	0.03	0.0004	0.0065
10:30	0.01	0.0002	0.0021	4:40	0.50	0.0066	0.0224	3:15	0.22	0.0029	0.0430	10:30	0.03	0.0004	0.0071
11:15	0.01	0.0001	0.0023	4:50	0.35	0.0046	0.0233	3:18	0.31	0.0041	0.0432	11:30	0.03	0.0004	0.0075
p. m.				5:00	0.26	0.0034	0.0240	3:21	0.38	0.0050	0.0434	3:45	0.02	0.0003	0.0076
12:45	0.01	0.0001	0.0025	5:10	0.19	0.0025	0.0245	3:23	0.48	0.0063	0.0436				
1:00	0.01	0.0001	0.0026	5:14	0.18	0.0024	0.0247	3:26	0.60	0.0079	0.0440	p. m.			
2:00	T	0.0001	0.0026	5:20	0.23	0.0030	0.0250	3:29	0.68	0.0089	0.0444	12:30	0.02	0.0003	0.0078
3:00	T	0.0001	0.0027	5:25	0.20	0.0026	0.0252	3:32	0.86	0.0113	0.0449	1:00	0.01	0.0002	0.0080
5:00	T	0.0001	0.0028	5:30	0.23	0.0030	0.0255	3:34	1.04	0.0136	0.0453	2:00	0.01	0.0001	0.0081
12:00	T	0.0001	0.0030	5:40	0.20	0.0026	0.0259	3:37	1.38	0.0181	0.0461	3:00	0.01	0.0001	0.0082
July 14				6:00	0.16	0.0021	0.0267	3:40	1.62	0.0212	0.0471	3:50	0.01	0.0001	0.0083
a. m.				6:15	0.13	0.0017	0.0272	3:43	1.70	0.0223	0.0482	4:10	0.01	0.0002	0.0084
3:00	T	0.0001	0.0003	6:30	0.11	0.0014	0.0275	3:50	1.54	0.0202	0.0510	4:40	0.01	0.0002	0.0085
6:00	0.01	0.0001	0.0005	6:45	0.10	0.0013	0.0278	6:00	1.10	0.0144	0.0539	5:40	0.01	0.0001	0.0086
7:30	0.01	0.0001	0.0008	7:00	0.09	0.0011	0.0282	3:06	0.89	0.0117	0.0552	7:00	0.01	0.0001	0.0087
10:30	0.01	0.0001	0.0011	7:30	0.07	0.0009	0.0287	3:12	0.73	0.0096	0.0563	8:28	0.01	0.0001	0.0088
p. m.				8:00	0.06	0.0008	0.0291	3:20	0.54	0.0071	0.0574	3:31	0.01	0.0001	0.0089
12:30	T	0.0001	0.0013	8:15	0.05	0.0006	0.0293	3:30	0.40	0.0052	0.0584	3:32	0.02	0.0002	0.0090
3:00	T	0.0001	0.0015	8:30	0.04	0.0005	0.0294	3:38	0.31	0.0041	0.0590	3:33	0.03	0.0004	0.0091
12:00	T	0.0001	0.0018	8:35	0.05	0.0007	0.0296	3:44	0.27	0.0035	0.0594	3:34	0.04	0.0005	0.0092
July 15				8:45	0.06	0.0008	0.0297	3:50	0.23	0.0030	0.0597	3:35	0.06	0.0008	0.0093
a. m.				9:00	0.06	0.0008	0.0299	7:00	0.19	0.0025	0.0602	3:42	0.08	0.0010	0.0094
9:00	T	T	0.0003	9:15	0.05	0.0007	0.0300	3:10	0.16	0.0021	0.0606	3:43	0.11	0.0014	0.0095
11:00	T	T	0.0005	9:30	0.05	0.0007	0.0303	3:19	0.14	0.0018	0.0609	3:44	0.16	0.0021	0.0096
p. m.				9:45	0.04	0.0005	0.0304	3:30	0.12	0.0016	0.0612	3:46	0.18	0.0024	0.0097
1:00	T	T	0.0006	10:00	0.04	0.0005	0.0306	3:39	0.12	0.0016	0.0614	3:47	0.23	0.0030	0.0098
4:00	T	T	0.0016	10:15	0.04	0.0005	0.0311	4:00	0.16	0.0031		3:48	0.33	0.0043	0.0099
12:00	T	T	0.0018	10:30	0.03	0.0004	0.0316	4:10	0.22	0.0029	0.0615	3:49	0.48	0.0063	0.0100
July 16				10:45	0.03	0.0004	0.0316	4:12	0.18	0.0024		3:50	0.65	0.0085	0.0101
a. m.				11:00	0.03	0.0004	0.0316	4:13	0.19	0.0025	0.0616	3:51	0.80	0.0105	0.0102
1:30	T	T	0.0001	11:15	0.03	0.0004	0.0316	4:14	0.36	0.0047	0.0617	3:53	0.95	0.0125	0.0103
2:45	0.01	0.0001	0.0001	11:30	0.03	0.0004	0.0316	4:15	0.65	0.0085	0.0618	3:56	1.24	0.0163	0.0104
3:30	0.01	0.0001	0.0002	11:45	0.03	0.0004	0.0316	4:16	0.80	0.0105	0.0620	3:58	1.50	0.0197	0.0105
5:30	0.01	0.0001	0.0004	12:00	0.03	0.0004	0.0316	4:17	1.27	0.0167	0.0622	4:00	1.65	0.0218	0.0106
7:00	0.01	0.0001	0.0006	12:11	0.01	0.0001	0.0001	4:18	2.31	0.0303	0.0626	4:02	1.70	0.0223	0.0107
8:15	0.01	0.0002	0.0008	12:18	0.01	0.0001	0.0001	4:19	4.38	0.0575	0.0633	4:08	1.74	0.0228	0.0108
10:30	0.01	0.0001	0.0010	12:19	0.01	0.0001	0.0001	4:50	5.39	0.0707	0.0644	4:16	1.92	0.0252	0.0109
p. m.				12:20	0.01	0.0001	0.0001	5:10	7.05	0.0925	0.0658	4:20	1.83	0.0240	0.0110
1:00	T	0.0001	0.0013	12:21	0.01	0.0001	0.0001	5:12	8.87	0.116	0.0675	4:25	1.58	0.0207	0.0111
4:00	T	0.0001	0.0016	12:22	0.01	0.0001	0.0001	5:13	10.8	0.142	0.0697	4:30	1.35	0.0177	0.0112
12:00	0	0	0.0016	12:23	0.01	0.0001	0.0001	5:14	15.2	0.199	0.0725	4:35	1.10	0.0144	0.0113
July 17-21	0	0	0	12:24	0.01	0.0001	0.0001	5:15	22.4	0.294	0.0766	4:40	0.92	0.0121	0.0114
July 22				12:25	0.01	0.0001	0.0001	5:16	30.0	0.394	0.0823	4:45	0.78	0.0102	0.0115
p. m.				12:26	0.01	0.0001	0.								



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
July 25				July 27				Aug. 14				Aug. 25			
p. m.				p. m.				p. m.				p. m.			
1:00	0.01	0.0001	0.0057	5:25	0.01	0.0001		6:30	0.02	0.0003	0.0347	11:15	0.01	0.0001	
2:00	.01	.0001		3:00	.01	.0001		7:00	.02	.0002	.0349	12:00	T	T	0.0003
2:00	.01	.0001	.0058	4:50	.01	.0001		8:00	.01	.0001	.0350				
3:00	T	T	.0059	6:10	T	T		9:00	.01	.0001	.0351				
4:30	T	T		1:15	.01	.0001	0.0064	11:15	.01	.0001	.0352	Aug. 26			
6:30	T	T		3:00	.01	.0001		12:00	T	.0001	.0354	a. m.			
12:00	T	T	.0060	5:00	.01	.0001	.0065				.0355	12:07	T	T	
July 26				7:20	T	.0001	.0066	Aug. 15				1:14	.01	.0001	
a. m.				8:30	.01	.0001	.0067	2:30	T	T	.0001	1:16	.01	.0001	
3:00	T	T	.0001	9:30	.01	.0001	.0068	5:00	0	0	.0001	1:18	.02	.0002	.0001
4:15	T	.0001	.0004	12:00	.01	.0001	.0071					2:00	.02	.0003	
7:00	.01	.0001	.0004	July 28				Aug. 16-17	0	0	0	2:23	.02	.0002	
9:30	.01	.0001	.0007	a. m.				Aug. 18				2:26	.01	.0001	
12:00	T	T		8:30	.01	.0001	.0009	p. m.				3:10	.01	.0001	.0003
				10:45	.01	.0001	.0011	5:52	0	0		5:00	T	T	
p. m.				12:15	.01	.0001	.0013	5:55	T	T		1:00	.01	.0001	
3:00	T	T		1:30	T	T	.0014	5:57	.01	.0001		1:02	.02	.0003	
7:15	T	T	.0008	5:00	T	T		6:00	.01	.0001	.0001	1:03	.06	.0008	.0004
2:22	.01	.0001		12:00	0	0	.0014	6:07	.01	.0001		1:04	.11	.0014	.0005
2:25	T	.0001	.0009	July 29				7:00	.01	.0001	.0001	1:05	.17	.0022	
3:50	T	.0001		Aug. 5	0	0	0	7:07	.01	.0001		1:06	.22	.0029	.0006
5:50	T	.0001		Aug. 6	T	T	T	8:00	.01	.0001	.0001	1:08	.28	.0037	.0007
5:52	.01	.0001		Aug. 7-13	0	0	0	10:00	.02	.0002	.0003	1:12	.36	.0047	.0010
5:54	.01	.0002		Aug. 14				11:00	.02	.0002	.0003	1:16	.38	.0050	.0013
5:56	.02	.0003	.0010	a. m.				12:00	.03	.0004		1:23	.36	.0047	.0019
5:57	.03	.0004		2:15	0	0		1:15	.03	.0004		1:35	.38	.0050	
5:58	.04	.0005		2:20	T	T		1:18	.02	.0003	.0005	1:42	.23	.0030	.0031
5:59	.09	.0011		2:22	.01	.0001		1:21	.01	.0002	.0007	1:50	.18	.0024	.0035
8:00	.17	.0022	.0012	2:26	.01	.0001		1:25	.02	.0002		1:56	.15	.0019	.0037
8:01	.31	.0041	.0013	3:00	T	T	.0002	1:26	.11	.0014		2:00	.13	.0017	.0038
8:02	.46	.0060	.0014	p. m.				1:27	.36	.0047	.0008	2:08	.10	.0013	.0040
8:03	.65	.0085	.0015	1:33	0	0		1:28	.65	.0085	.0009	2:19	.08	.0010	.0042
8:04	.80	.0105	.0017	3:55	.01	.0001		1:29	1.00	.0131	.0011	2:27	.06	.0008	.0043
8:05	.98	.0129	.0019	4:00	T	T		1:30	1.35	.0177	.0014	2:37	.05	.0007	.0044
8:06	1.24	.0163	.0021	4:01	.01	.0001		1:31	1.66	.0218	.0017	2:49	.04	.0005	.0045
8:07	1.46	.0192	.0024	4:08	.01	.0001		1:33	2.26	.0297	.0026	3:00	.04	.0005	.0046
8:08	1.83	.0240	.0028	4:35	.01	.0001		1:35	2.81	.0369	.0037	3:14	.03	.0004	.0047
8:10	2.36	.0310	.0037	5:00	T	T	.0002	1:38	3.62	.0475	.0058	4:00	.02	.0003	.0049
8:12	2.92	.0383	.0048	p. m.				1:42	4.41	.0579	.0093	4:15	.01	.0002	.0050
8:14	3.49	.0458	.0062	1:33	0	0		1:45	3.65	.0479	.0119	5:20	.01	.0001	.0051
8:16	4.26	.0559	.0079	3:55	.01	.0001		1:50	4.13	.0542	.0161	6:37	.01	.0001	.0052
8:18	4.13	.0542	.0097	4:00	.01	.0001		1:54	3.90	.0512	.0196	7:00	.01	.0001	
8:20	4.62	.0606	.0116	4:01	T	T	.0001	7:00	3.97	.0521	.0248	8:00	.01	.0001	.0053
8:23	5.39	.0707	.0149	4:08	.01	.0001		7:05	3.17	.0416	.0287	8:01	.01	.0001	.0056
8:26	5.93	.0778	.0188	4:38	.01	.0001		7:10	2.47	.0324	.0318	8:00	.01	.0001	.0057
8:29	6.20	.0813	.0228	5:58	T	T	.0001	7:15	1.88	.0247	.0345	1:15	.01	.0001	
8:32	5.93	.0778	.0268	2:00	.01	.0001		7:20	1.42	.0186	.0367	10:00	T	T	.0059
8:38	5.13	.0673	.0341	2:02	.01	.0002	.0005	7:25	1.10	.0144	.0381	12:00	0	0	.0059
8:41	4.62	.0606	.0373	2:10	.02	.0002		7:30	.86	.0113	.0388				
8:45	3.76	.0493	.0410	2:15	.03	.0004		7:35	.70	.0092	.0396	Aug. 27			
8:50	2.75	.0361	.0445	2:17	.02	.0003	.0007	7:40	.56	.0073	.0403	a. m.			
8:55	2.11	.0277	.0471	2:20	.01	.0002		7:45	.48	.0063	.0409	12:32	0	0	0
9:00	1.62	.0212	.0491	2:23	.01	.0001		7:50	.40	.0052	.0414	1:44	T	T	T
9:05	1.24	.0163	.0507	2:26	.01	.0001		8:00	.28	.0037	.0421	1:47	.01	.0001	
9:10	1.00	.0131	.0519	2:30	.01	.0001		8:06	.23	.0030	.0424	1:48	.01	.0001	
9:15	.80	.0105	.0529	2:36	.01	.0001	.0008	8:15	.18	.0024	.0428	1:49	.02	.0002	
9:20	.68	.0089	.0537	2:37	.06	.0008		8:27	.14	.0018	.0432	1:51	.02	.0003	
9:25	.56	.0073	.0544	2:38	.36	.0047		8:35	.12	.0016	.0434	1:52	.03	.0004	.0001
9:30	.48	.0063	.0550	2:39	.95	.0125	.0009	8:46	.09	.0012	.0437	1:53	.04	.0005	.0002
9:40	.36	.0047	.0559	2:40	1.66	.0218	.0012	9:00	.08	.0010	.0440	1:54	.05	.0007	
9:50	.28	.0037	.0566	2:41	2.31	.0303	.0016	9:05	.06	.0008	.0442	1:57	.06	.0008	.0003
10:00	.23	.0030	.0571	2:42	3.36	.0441	.0022	9:10	.05	.0007	.0444	1:58	.08	.0010	.0006
10:10	.19	.0025	.0576	2:44	4.11	.0539	.0038	9:15	.04	.0005	.0447	2:00	.09	.0012	
10:22	.16	.0021	.0581	2:48	4.88	.0640	.0077	9:20	.03	.0004	.0451	2:01	.16	.0021	
10:32	.14	.0018	.0584	2:55	4.04	.0530	.0145	9:25	.02	.0003	.0455	2:02	.19	.0025	.0010
10:46	.12	.0016	.0588	3:00	3.29	.0432	.0185	9:30	.01	.0001	.0458	2:04	.26	.0034	.0011
11:00	.10	.0013	.0590	3:05	2.58	.0338	.0217	9:35	.01	.0001	.0461	2:06	.30	.0039	.0012
11:30	.10	.0011	.0591	3:10	2.01	.0264	.0242	9:40	.01	.0001	.0464	2:07	.36	.0047	.0015
12:00	.07	.0009	.0602	3:15	1.58	.0207	.0262	9:45	.01	.0001	.0467	2:08	.42	.0055	.0021
July 27				3:20	1.20	.0157	.0277	9:50	.01	.0001	.0470	2:10	.48	.0063	.0027
a. m.				3:25	.95	.0125	.0289	9:55	.01	.0001	.0473	2:12	.54	.0071	.0033
1:00	.06	.0008	.0008	3:30	.75	.0098	.0298	10:00	.02	.0002	.0001	2:14	.60	.0081	.0039
3:00	.05	.0007	.0012	3:35	.60	.0079	.0305	10:05	.01	.0001	.0002	2:16	.66	.0089	.0045
2:30	.05	.0006	.0019	3:40	.48	.0063	.0311	10:10	.01	.0001	.0003	2:18	.72	.0097	.0051
4:30	.04	.0005	.0029	3:45	.40	.0052	.0316	10:15	.01	.0001	.0004	2:20	.78	.0105	.0057
6:15	.03	.0004	.0036	3:50	.33	.0043	.0320	10:20	.01	.0001	.0005	2:22	.84	.0113	.0063
8:15	.03	.0004	.0044	3:55	.27	.0035	.0323	10:25	T	T	.0001	2:24	.86	.0113	.0065
10:30	.02	.0003	.0053	4:00	.23	.0030	.0326	10:30	0	0	.0006	2:26	1.04	.0136	.0071
11:30	.02	.0003	.0054	4:05	.19	.0025	.0328	10:35	.01	.0001	.0007	2:28	1.10	.0144	.0077
12:00	.01	.0002	.0057	4:10	.16	.0021	.0330	10:40	.01	.0001	.0008	2:30	1.16	.0152	.0083
p. m.				4:15	.12	.0016	.0333	10:45	.01	.0001	.0009	2:32	1.22	.0160	.0089
1:15	.01	.0001	.0058	4:20	.09	.0011	.0335	10:50	.01	.0001	.0010	2:34	1.28	.0168	.0095
2:15	.01	.0001	.0059	4:25	.07	.0009	.0336	10:55	.01	.0001	.0011	2:36	1.34	.0176	.0101
3:00	T	.0001	.0060	4:30	.06	.0008	.0337	11:00	.01	.0001	.0012	2:38	1.40	.0184	.0107
4:30	T	.0001	.0062	4:35	.05	.0007	.0339	11:05	.01	.0001	.0013	2:40	1.46	.0192	.0113
5:00	T	T	.0063	4:40	.05	.0007	.0340	11:10	.01	.0001	.0014	2:42	1.52	.0200	.0119
5:20	T	T		4:45	.04	.0005	.0344	11:15	.01	.0001	.0015	2:44	1.58	.0208	.0125
				4:50	.03	.0004	.0345	11:20	.01	.0001	.0016	2:46	1.64	.0216	.0131
				6:00	.04	.0005		11:25	.01	.0001	.0017	2:48	1.70	.0224	.0137
				12:00	.03										



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Aug. 27				Aug. 27				Aug. 29				Aug. 30			
a. m.	Second-foot	Inches per hour	Inches	p. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches	a. m.	Second-foot	Inches per hour	Inches
2:50	0.73	0.0096	0.0309	2:32	0.15	0.0019	0.4700	4:00	0.05	0.0006	0.0024	8:50	2.98	0.0391	0.1024
3:55	.60	.0079	.0316	3:38	.19	.0025	.4702	7:00	.04	.0005	.0039	9:00	2.63	.0345	.1085
3:00	.50	.0066	.0322	3:00	.16	.0021	.4710	9:30	.04	.0005	.0052	1:15	2.16	.0283	.1164
3:10	.36	.0047	.0331	4:10	.16	.0021	.4734	10:45	.04	.0005	.0058	3:00	1.79	.0235	.1229
3:20	.28	.0037	.0338	5:00	.13	.0017	.4750					4:55	1.62	.0212	.1285
3:30	.22	.0029	.0344	5:18	.15	.0019	.4755					5:53	1.58	.0207	.1313
3:40	.18	.0024	.0348	5:35	.16	.0021	.4761	12:30	.03	.0004	.0067	10:00	1.62	.0212	.1337
3:50	.15	.0019	.0352	6:00	.14	.0018	.4769	2:00	.03	.0004	.0073	11:55	1.83	.0240	.1394
4:00	.13	.0017	.0355	6:07	.16	.0021	.4771	3:25	.02	.0003	.0077	1:25	2.21	.0290	.1438
4:20	.10	.0013	.0360	6:17	.16	.0021	.4775	3:26	.03	.0004		3:55	2.92	.0383	.1494
4:40	.08	.0010	.0364	6:30	.20	.0026	.4780	3:27	.05	.0006		4:55	3.90	.0512	.1569
5:00	.07	.0009	.0367	6:50	.26	.0034	.4790	3:28	.06	.0008		5:55	3.90	.0512	.1655
5:30	.06	.0008	.0371	7:00	.26	.0034	.4796	3:30	.08	.0010	.0079	11:00	4.13	.0542	.1699
6:00	.05	.0006	.0375	7:12	.31	.0041	.4803	3:31	.10	.0013		11:10	4.13	.0542	.1790
7:00	.04	.0005	.0380	7:21	.40	.0052	.4810	3:32	.12	.0016		11:19	3.65	.0479	.1867
8:00	.03	.0004	.0384	7:29	.52	.0068	.4818	3:33	.16	.0021	.0081	11:30	4.04	.0530	.1959
8:35	.02	.0003	.0386	7:35	.68	.0089	.4826	3:34	.20	.0026	.0086	11:45	3.10	.0407	.2076
8:36	.03	.0004		7:45	.92	.0121	.4844	3:36	.24	.0031	.0087	12:00	2.47	.0324	.2167
8:37	.04	.0005		7:55	.98	.0129	.4865	3:39	.31	.0041	.0089				
8:39	.05	.0007	.0387	8:00	.98	.0129	.4876	4:44	.40	.0052	.0093				
8:44	.06	.0008	.0388	8:05	.95	.0125	.4887	4:47	.50	.0066	.0096	12:15	2.11	.0277	.2242
9:00	.05	.0007	.0390	8:15	.86	.0113	.4907	5:00	.63	.0083	.0100	1:30	1.83	.0240	.2307
9:07	.06	.0008	.0391	8:30	.73	.0096	.4933	5:55	.73	.0096	.0107	1:50	1.46	.0192	.2379
9:16	.09	.0011	.0392	8:34	.83	.0109	.4940	6:00	.73	.0096	.0115	1:00	1.35	.0177	.2410
9:21	.09	.0011	.0393	8:36	1.04	.0136	.4944	6:05	.78	.0102	.0123	1:10	1.24	.0163	.2438
9:25	.10	.0013	.0394	8:37	1.31	.0171	.4947	6:10	.92	.0121	.0132	1:45	1.07	.0140	.2526
9:27	.13	.0017	.0399	8:38	1.62	.0212	.4950	6:15	.98	.0129	.0143	2:00	.98	.0129	.2560
9:30	.17	.0022	.0400	8:39	2.11	.0277	.4954	6:20	.95	.0125	.0154	3:00	.78	.0102	.2618
9:32	.22	.0029	.0401	8:40	2.69	.0353	.4959	6:30	.80	.0105	.0173	3:00	.63	.0083	.2664
9:33	.23	.0030		8:41	3.62	.0475	.4966	6:40	.65	.0085	.0189	3:30	.54	.0071	.2703
9:34	.35	.0046	.0402	8:44	3.65	.0479	.4990	6:50	.52	.0068	.0202	4:00	.48	.0063	.2737
9:35	.44	.0058	.0403	8:45	4.38	.0575	.4999	7:00	.44	.0058	.0212	4:20	.44	.0058	.2757
9:36	.54	.0071	.0404	8:46	5.13	.0673	.5009	7:10	.36	.0047	.0221	5:00	.48	.0063	.2797
9:38	.75	.0098	.0407	8:47	5.93	.0778	.5021	7:20	.33	.0043	.0229	5:10	.50	.0066	.2805
9:40	1.07	.0140	.0411	8:48	6.76	.0887	.5035	7:25	.33	.0043	.0233	5:45	.52	.0068	.2847
9:42	1.58	.0207	.0417	8:49	7.34	.0963	.5051	7:31	.35	.0046	.0237	6:00	.50	.0066	.2864
9:44	2.11	.0277	.0425	8:50	8.24	.108	.5068	7:40	.42	.0055	.0245	7:00	.42	.0055	.2924
9:46	2.69	.0353	.0435	8:52	9.84	.129	.5107	7:50	.56	.0073	.0256	8:00	.38	.0050	.2976
9:48	3.29	.0432	.0448	8:55	11.5	.151	.5177	8:00	.75	.0098	.0270	10:00	.35	.0046	.3072
9:50	3.83	.0502	.0463	9:00	13.3	.174	.5312	8:10	.95	.0125	.0289	12:00	.33	.0043	.3160
9:55	3.90	.0512	.0505	9:03	13.7	.180	.5401	8:20	1.14	.0150	.0322				
9:56	4.38	.0575	.0514	9:05	13.3	.174	.5459	8:27	1.17	.0154	.0340	Aug. 31			
9:57	4.62	.0606	.0524	9:10	11.5	.151	.5594	8:50	1.04	.0136	.0396	a. m.			
9:59	5.39	.0707	.0546	9:15	9.51	.125	.5708	9:00	1.14	.0150	.0420	5:30	.31	.0041	.0231
10:00	5.93	.0778	.0559	9:18	8.24	.108	.5766	9:10	1.27	.0167	.0446	10:30	.30	.0039	.0431
10:02	6.76	.0887	.0586	9:22	7.05	.0925	.5833	9:25	1.31	.0171	.0488	11:15	.28	.0037	.0460
10:04	7.64	.100	.0617	9:26	5.93	.0778	.5890	9:35	1.24	.0163	.0516				
10:05	8.55	.112	.0635	9:30	5.13	.0673	.5939	9:50	.98	.0129	.0553				
10:07	10.5	.138	.0676	9:34	4.38	.0575	.5981	8:00	.86	.0113	.0573	p. m.			
10:09	13.0	.171	.0727	9:38	3.65	.0479	.6016	8:15	.70	.0092	.0599	12:30	.26	.0034	.0504
10:11	16.0	.210	.0790	9:44	3.62	.0475	.6064	8:30	.58	.0076	.0620	2:30	.23	.0030	.0568
10:12	18.4	.241	.0828	9:50	2.92	.0383	.6107	8:45	.48	.0063	.0637	3:30	.20	.0026	.0652
10:14	22.4	.294	.0917	9:55	2.47	.0324	.6136	9:00	.42	.0055	.0652	5:15	.22	.0029	.0672
10:16	26.5	.348	.1024	10:00	2.11	.0277	.6161	9:30	.33	.0043	.0676	12:00	.22	.0029	.0839
10:18	31.5	.413	.1151	10:10	1.58	.0207	.6201	10:00	.26	.0034	.0695				
10:20	37.3	.489	.1301	10:20	1.20	.0157	.6231	10:30	.23	.0030	.0711	Sept. 1			
10:22	40.6	.533	.1471	10:30	.95	.0125	.6255	11:00	.20	.0026	.0725	a. m.			
10:24	41.8	.548	.1651	10:40	.78	.0102	.6274	12:00	.18	.0024	.0742	4:30	.20	.0026	.0126
10:30	38.9	.510	.2180	10:50	.65	.0085	.6290		.17	.0022	.0750	5:30	.20	.0026	.0152
10:35	34.6	.454	.2582	11:00	.56	.0073	.6303					8:00	.19	.0025	.0215
10:40	30.5	.400	.2938	11:15	.46	.0060	.6320					9:00	.19	.0025	.0240
10:45	26.5	.348	.3248	11:40	.35	.0046	.6342					11:00	.17	.0022	.0286
10:50	22.8	.299	.3516	12:00	.28	.0037	.6356					12:00	.16	.0021	.0303
10:54	19.3	.253	.3701					Aug. 30							
10:57	16.8	.220	.3819					a. m.							
11:00	14.5	.190	.3922	Aug. 28				1:00	.16	.0021	.0022				
11:03	12.6	.165	.4011	a. m.				3:55	.15	.0019	.0034				
11:06	10.8	.142	.4088	12:30	.23	.0030	.0017	5:00	.16	.0021	.0039				
11:10	8.87	.116	.4175	1:00	.20	.0026	.0031	6:00	.17	.0022	.0074	1:00	.16	.0021	.0329
11:14	7.34	.0963	.4246	2:00	.16	.0021	.0055	7:00	.17	.0022	.0129	4:00	.14	.0018	.0386
11:17	6.20	.0813	.4290	3:00	.14	.0018	.0074	8:00	.18	.0024	.0133	5:30	.14	.0018	.0413
11:21	5.13	.0673	.4340	4:00	.12	.0016	.0091	9:00	.22	.0029	.0142	8:00	.15	.0019	.0458
11:25	4.38	.0575	.4382	5:15	.10	.0013	.0109	10:00	.28	.0037	.0148	12:00	.15	.0019	.0534
11:30	3.90	.0512	.4427	6:15	.09	.0012	.0127	11:00	.38	.0050	.0155				
11:35	3.10	.0407	.4465	7:30	.09	.0011	.0137	12:00	.52	.0068	.0160	Sept. 2			
11:40	2.58	.0338	.4496	9:00	.08	.0010	.0152		.68	.0089	.0164	a. m.			
11:45	2.16	.0283	.4518	11:00	.07	.0009	.0170	7:00	.83	.0109	.0167	5:00	.14	.0018	.0095
11:50	1.79	.0235	.4539	12:00	.06	.0008	.0179	8:00	1.10	.0144	.0175	9:30	.13	.0017	.0172
11:55	1.46	.0192	.4557					9:00	1.38	.0181	.0183	10:45	.12	.0016	.0192
12:00	1.24	.0163	.4572					10:00	1.74	.0228	.0193				
				p. m.				10:13	2.21	.0290	.0206	p. m.			
				1:00	.06	.0008	.0187	10:16	2.63	.0345	.0222	1:00	.10	.0013	.0224
				4:00	.06	.0008	.0192	10:20	3.23	.0424	.0248	2:30	.10	.0013	.0244
				5:55	.05	.0007	.0194	10:25	4.04	.0530	.0288	5:00	.09	.0012	.0277
				2:15	.06	.0008	.0196	10:30	3.65	.0479	.0330	7:00	.10	.0013	.0301
				3:21	.07	.0009	.0197	10:34	4.13	.0542	.0364	12:00	.10	.0013	.0366
				5:55	.09	.0011	.0203	10:38	4.38	.0575	.0401				



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Sept. 3								Sept. 12				Nov. 6			
a. m.				a. m.				Sept. 13 <sup>1</sup>				a. m.			
11:00	0.09	0.0011	0.0135	11:00	0.20	0.0026	0.0085		T	T	0.0002	6:30	0	0	0
1:30	.11	.0014	.0141	1:20	.16	.0021	.0093					7:00	T	.0001	.0001
4:45	.12	.0016	.0145	3:55	.13	.0017	.0098	Sept. 14 <sup>1</sup>	0	0	T	7:00	T	.0001	.0001
12:00	.10	.0013	.0149	4:45	.11	.0014	.0101	Sept. 15-23	0	0	0	7:20	T	.0001	.0001
p. m.				12:30	.09	.0011	.0104					7:30	.01	.0001	.0002
12:40	.09	.0011	.0157	p. m.				Sept. 24				8:00	.01	.0002	.0003
1:15	.07	.0009	.0163	12:30	.07	.0009	.0109	p. m.				8:30	.01	.0001	.0004
2:30	.06	.0008	.0174	1:00	.06	.0008	.0114	7:35	0	0	0	9:00	.01	.0001	.0004
6:00	.06	.0008	.0202	3:00	.05	.0007	.0118	8:00	T	T	.0001	10:00	.02	.0002	.0006
10:00	.07	.0009	.0234	2:20	.04	.0005	.0123	8:00	T	T	.0001	3:00	.01	.0002	.0007
12:00	.07	.0009	.0252	3:40	.03	.0004	.0129	9:40	T	T	.0001				
Sept. 4				4:30	.03	.0004	.0132	10:00	T	T	.0001	p. m.			
a. m.				6:30	.02	.0003	.0138	10:00	T	T	.0001	2:00	.01	.0002	.0014
6:00	.06	.0008	.0054	7:00	.03	.0004	.0140	10:00	T	T	.0001	6:00	.01	.0001	.0018
9:40	.06	.0008	.0083	8:00	.02	.0003	.0143	10:00	T	T	.0001	9:30	.01	.0001	.0022
5:00	.09	.0011	.0085	12:00	.02	.0003	.0155	10:00	.01	.0001	.0004	12:00	.01	.0001	.0025
10:10	.07	.0009	.0088					11:00	.01	.0001	.0007				
11:00	.06	.0008	.0095	Sept. 9				11:00	.01	.0001	.0007	Nov. 7			
12:00	.05	.0006	.0102	a. m.				12:00	T	T	.0008	a. m.			
p. m.				3:00	.02	.0003	.0009	Sept. 25				6:00	.01	.0001	.0006
2:30	.04	.0005	.0117	11:30	.02	.0003	.0034	a. m.				10:00	T	.0001	.0010
3:30	.03	.0004	.0121	p. m.				12:45	T	T		p. m.			
6:00	.03	.0004	.0131	2:30	.01	.0002	.0040	1:00	T	.0001		3:00	T	.0001	.0015
4:45	.04	.0005	.0135	6:00	.01	.0001	.0044	1:00	T	.0001		6:00	T	T	.0017
8:30	.04	.0005	.0144	8:30	.01	.0001	.0047	1:15	T	.0001		12:00	T	T	.0019
12:00	.04	.0005	.0162	10:30	.01	.0002	.0051	2:20	.01	.0001	.0001				
Sept. 5				11:14	.01	.0002	.0052	4:45	T	.0001	.0001	Nov. 8 <sup>1</sup>	T	T	.0007
a. m.				12:00	.02	.0002	.0053	2:00	T	.0001	.0002	Nov. 9 <sup>1</sup>	T	T	.0005
4:00	.04	.0005	.0020	Sept. 10				3:00	T	T	.0008	Nov. 10 <sup>1</sup>	T	T	.0002
11:30	.04	.0005	.0057	a. m.				12:00	T	T	.0015	Nov. 11			
p. m.				12:15	.03	.0004	.0001	Sept. 26 <sup>1</sup>				a. m.			
12:30	.03	.0004	.0061	2:20	.04	.0005	.0005	2:00	.01	.0001	.0101	1:00	T	T	.0001
2:00	.02	.0003	.0067	4:00	.05	.0007	.0003	4:30	T	.0001	.0104	2:00	T	T	.0003
3:45	.02	.0003	.0072	1:00	.06	.0008	.0006	4:45	T	.0001	.0106	3:55	.01	.0001	.0004
6:45	.02	.0003	.0081	2:00	.07	.0009	.0009	5:00	T	.0001	.0106	5:00	.01	.0001	.0005
8:45	.03	.0004	.0087	3:55	.09	.0011	.0012	6:00	.06	.0008	.0077	5:55	.01	.0001	.0005
12:00	.03	.0004	.0100	4:45	.09	.0011	.0014	7:30	.04	.0005	.0086	6:00	.01	.0001	.0006
Sept. 6				5:00	.10	.0013	.0015	8:00	.03	.0004	.0088	6:00	.02	.0003	.0006
a. m.				2:00	.13	.0017	.0018	9:00	.02	.0003	.0091	6:10	.03	.0004	.0006
10:45	.03	.0004	.0043	1:20	.16	.0021	.0022	10:30	.02	.0003	.0096	6:15	.04	.0005	.0007
p. m.				2:25	.16	.0021	.0026	11:30	.02	.0003	.0098	6:20	.05	.0006	.0007
12:15	.02	.0003	.0048	4:00	.19	.0025	.0032	12:00	.01	.0002	.0099	6:25	.06	.0008	.0008
1:00	.02	.0002	.0050	5:00	.26	.0034	.0037					6:30	.07	.0009	.0008
2:30	.02	.0002	.0053	3:00	.30	.0039	.0043					6:35	.09	.0011	.0009
4:30	.01	.0001	.0055	4:05	.31	.0041	.0046					6:40	.11	.0014	.0011
7:00	.01	.0001	.0058	5:00	.28	.0037	.0056					6:45	.09	.0012	.0015
9:00	.02	.0002	.0060	6:00	.23	.0030	.0067					6:50	.09	.0011	.0016
12:00	.02	.0002	.0066	4:00	.17	.0022	.0076					6:55	.09	.0012	.0017
Sept. 7				5:15	.14	.0018	.0081					7:00	.11	.0014	.0019
a. m.				3:00	.12	.0016	.0085					7:05	.15	.0019	.0019
9:00	.02	.0003	.0018	5:00	.09	.0012	.0092					7:10	.18	.0024	.0019
12:00	.01	.0002	.0024	3:55	.07	.0009	.0098					7:15	.22	.0029	.0020
p. m.				6:00	.06	.0008	.0102					7:20	.27	.0035	.0021
3:00	.01	.0001	.0030	7:00	.05	.0007	.0109					7:25	.33	.0043	.0021
4:30	.01	.0001	.0032	8:30	.04	.0005	.0118					7:30	.40	.0052	.0023
8:00	.01	.0001	.0033	10:30	.03	.0004	.0128					7:35	.50	.0066	.0027
11:00	.01	.0001	.0039	p. m.								7:40	.58	.0076	.0033
12:00	.01	.0001	.0040	12:30	.02	.0003	.0134					7:45	.65	.0085	.0045
Sept. 8				2:00	.02	.0002	.0139					7:50	.60	.0079	.0059
a. m.				4:00	.01	.0001	.0141					7:55	.50	.0066	.0077
1:30	.01	.0002	.0002	5:00	.01	.0001	.0142					8:00	.40	.0052	.0097
8:09	.01	.0002	.0015	9:00	.01	.0001	.0146					8:05	.31	.0041	.0112
10	.02	.0003		12:00	.01	.0001	.0149					8:10	.27	.0035	.0125
11	.04	.0005		Sept. 11								8:15	.27	.0035	.0137
12	.05	.0006		a. m.								8:20	.22	.0029	.0158
13	.06	.0008		8:00	.01	.0001	.0008					8:25	.20	.0026	.0169
14	.08	.0010		11:00	.01	.0001	.0011					8:30	.19	.0025	.0173
16	.12	.0016	.0017	12:00	.01	.0001	.0012					8:35	.18	.0024	.0183
18	.15	.0019	.0018	p. m.								8:40	.22	.0029	.0190
22	.15	.0019	.0019	3:00	T	.0001	.0015					8:45	.23	.0030	.0193
50	.11	.0014	.0026	9:00	T	.0001	.0021					8:50	.30	.0039	.0198
9:00	.12	.0016	.0029	12:00	.01	.0001	.0012					8:55	.38	.0050	.0213
15	.16	.0021	.0034	Sept. 12								9:00	.44	.0058	.0222
30	.20	.0026	.0040	a. m.								9:05	.58	.0076	.0233
40	.23	.0030	.0045	2:00	T	.0001	.0014					9:10	.75	.0098	.0248
10:00	.22	.0029	.0055	5:00	T	.0001	.0017					9:15	.80	.0109	.0274
15	.22	.0029	.0062	12:00	T	T	.0021					9:20	.83	.0089	.0315
35	.26	.0034	.0072		T	T	.0021					9:25	.68	.0073	.0356
												9:30	.54	.0071	.0388
												9:35	.60	.0079	.0393
												9:40	.75	.0098	.0415
												9:45	.89	.0117	.0433
												9:50	1.00	.0131	.0454
												9:55	1.04	.0136	.0476
												10:00	.95	.0125	.0509

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour	
Nov. 11								Nov. 26				Dec. 1			
p. m.								p. m.				p. m.			
12:20	0.78	0.0102	0.0547	Nov. 19 <sup>1</sup>	0.01	0.0002	0.0048	3:50	3.29	0.0432	0.0486	2:00	0.10	0.0013	0.0234
:40	.60	.0079	.0577	Nov. 20 <sup>1</sup>	.01	.0001	.0024	4:00	3.17	.0416	.0557	6:00	.10	.0013	.0286
1:00	.48	.0063	.0601	Nov. 21 <sup>1</sup>	.01	.0001	.0024	:20	2.63	.0345	.0684	8:00	.09	.0012	.0312
:30	.40	.0052	.0630	Nov. 22				:40	2.21	.0290	.0790	12:00	.09	.0012	.0360
2:00	.31	.0041	.0653	a. m.				5:00	1.92	.0252	.0880				
3:00	.24	.0031	.0689	10:00	.01	.0001	.0010	:20	1.70	.0223	.0959	Dec. 2			
4:00	.19	.0025	.0717	p. m.				:40	1.42	.0186	.1027	a. m.			
5:00	.17	.0022	.0740	2:00	.01	.0001	.0014	6:00	1.14	.0150	.1083	2:00	.09	.0011	.0022
6:00	.15	.0019	.0760	6:00	.01	.0001	.0018	:20	.98	.0129	.1129	4:00	.09	.0011	.0044
7:00	.16	.0021	.0780	12:00	.01	.0001	.0024	:35	.95	.0125	.1161	11:00	.08	.0010	.0121
8:00	.19	.0025	.0803	Nov. 23				:50	1.00	.0131	.1193	p. m.			
:40	.20	.0026	.0820	p. m.				7:00	1.07	.0140	.1216	1:30	.08	.0010	.0146
9:00	.16	.0021	.0828	5:30	T	.0001	.0018	:15	1.27	.0167	.1254	2:00	.07	.0009	.0151
10:00	.13	.0017	.0847	6:00	.01	.0001	.0018	:30	1.42	.0186	.1298	4:00	.06	.0008	.0167
11:00	.10	.0013	.0862	7:00	.01	.0001	.0019	:50	1.58	.0207	.1363	5:00	.06	.0008	.0175
12:00	.09	.0012	.0874	8:00	.01	.0001	.0021	8:00	1.62	.0212	.1398	7:00	.05	.0007	.0189
Nov. 12				:05	.01	.0001	.0022	:20	1.62	.0212	.1416	12:00	.05	.0007	.0224
a. m.				:40	.01	.0001	.0022	:40	1.58	.0207	.1468				
2:00	.08	.0010	.0022	9:00	.01	.0001	.0024	9:00	1.35	.0177	.1532	Dec. 3 <sup>1</sup>	.05	.0007	.0168
3:30	.07	.0009	.0036	10:00	.01	.0001	.0024	:14	1.14	.0150	.1586	Dec. 4 <sup>1</sup>	.05	.0007	.0168
6:00	.06	.0008	.0056	:30	.01	.0001	.0024	.95	.95	.0125	.1654	Dec. 5 <sup>1</sup>	.05	.0007	.0168
8:30	.06	.0008	.0076	:50	.01	.0001	.0024	.86	.86	.0113	.1714				
10:00	.05	.0007	.0087	:30	.01	.0001	.0024	.83	.83	.0109	.1742				
12:00	.04	.0005	.0171	:45	.01	.0002	.0021	.83	.83	.0109	.1769				
Nov. 13				9:00	.01	.0002	.0022	.80	.80	.0105	.1823				
a. m.				10:00	.01	.0002	.0024	:40	.73	.0096	.1890	Dec. 6			
12:00	.04	.0005	.0171	11:00	.02	.0003	.0027	12:00	.68	.0089	.1921	a. m.			
Nov. 14				12:00	.07	.0003	.0030					5:00	.05	.0006	.0035
a. m.				Nov. 24				Nov. 27				9:00	.05	.0006	.0059
8:00	.04	.0005	.0040	a. m.				12:30	.60	.0079	.0042	12:00	.05	.0007	.0077
12:00	.03	.0004	.0056	1:00	.03	.0004	.0003	1:00	.54	.0071	.0080				
12:00	.03	.0004	.0104	2:00	.03	.0004	.0007	2:00	.46	.0060	.0145				
Nov. 15				3:00	.04	.0005	.0012	3:00	.40	.0052	.0201				
a. m.				4:00	.05	.0007	.0018	4:00	.36	.0047	.0250				
10:00	.03	.0004	.0040	:40	.06	.0008	.0023	6:00	.33	.0043	.0340				
:30	.04	.0005	.0043	5:00	.07	.0009	.0026	8:00	.30	.0039	.0422				
11:00	.05	.0007	.0046	6:00	.06	.0008	.0034	9:30	.27	.0035	.0478				
12:45	.05	.0006	.0057	7:00	.05	.0006	.0041	11:00	.26	.0034	.0529				
1:00	.06	.0008	.0059	8:30	.04	.0005	.0049								
:15	.07	.0009	.0061	10:30	.03	.0004	.0057	p. m.							
2:00	.05	.0006	.0066	12:00	.02	.0003	.0063	5:30	.26	.0034	.0750				
:30	.04	.0005	.0069	p. m.				11:00	.23	.0030	.0926				
6:00	.03	.0004	.0087	4:00	.02	.0003	.0075	12:00	.23	.0030	.0956				
12:00	.03	.0004	.0111	6:00	.01	.0002	.0081								
Nov. 16				12:00	.01	.0002	.0093	Nov. 28							
a. m.				Nov. 25				1:30	.23	.0030	.0045				
12:00	.02	.0003	.0048	a. m.				5:00	.20	.0026	.0143				
p. m.				1:30	.01	.0001	.0002								
12:00	.02	.0003	.0084	10:00	.01	.0002	.0019								
Nov. 17				p. m.											
p. m.				3:30	.01	.0002	.0030								
1:00	.02	.0003	.0039	6:00	.01	.0001	.0033								
3:00	.04	.0005	.0047	9:00	.01	.0001	.0036								
5:00	.05	.0006	.0057	10:00	.01	.0001	.0037								
7:30	.05	.0006	.0072	12:00	.01	.0001	.0039								
9:00	.04	.0005	.0080	Nov. 26											
11:00	.03	.0004	.0090	p. m.											
12:00	.02	.0003	.0093	1:20	.01	.0001	.0013								
Nov. 18				:40	.01	.0002	.0017								
a. m.				:48	.02	.0003	.0018								
12:00	.02	.0002	.0024	:52	.03	.0004	.0018								
p. m.				:55	.04	.0005	.0030								
1:30	.02	.0003	.0029	:57	.05	.0006	.0031								
2:30	.03	.0004	.0033	2:00	.06	.0008	.0031								
5:30	.03	.0004	.0045	:03	.09	.0011	.0035								
8:00	.02	.0003	.0053	:05	.11	.0014	.0035								
12:00	.02	.0002	.0061	:07	.14	.0018	.0036								
				:09	.17	.0022	.0037								
				:12	.22	.0029	.0038								
				:14	.27	.0035	.0039								
				:18	.36	.0047	.0042								
				:20	.44	.0058	.0044								
				:23	.54	.0071	.0047								
				:25	.65	.0085	.0050								
				:28	.83	.0109	.0055								
				:33	1.04	.0136	.0065								
				:38	1.27	.0167	.0078								
				:45	1.58	.0207	.0100								
				:51	1.83	.0240	.0122								
				:57	2.11	.0277	.0161								
				3:00	2.58	.0338	.0212								
				:10	2.92	.0383	.0272								
				:20	3.29	.0432	.0340								
				:30	3.36	.0441	.0413								
				:40											

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Dec. 8	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Dec. 12	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Dec. 16	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Dec. 21	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
<i>a. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>			
1:10-----	0.10	0.0013	0.0014	6:25-----	0.75	0.0098	0.0185	7:00-----	0.54	0.0071	0.0609	6:00-----	0.11	0.0014	0.0090
:30-----	.09	.0012	.0018	:30-----	.83	.0109	.0194	:20-----	.50	.0066	.0632	:20-----	.10	.0013	.0095
:40-----	.09	.0011	.0020	:35-----	.89	.0117	.0203	:40-----	.46	.0060	.0653	12:00-----	.10	.0013	.0169
2:15-----	.09	.0012	.0027	:40-----	.95	.0125	.0213	8:00-----	.42	.0055	.0672				
3:00-----	.09	.0011	.0035	:50-----	.95	.0125	.0234	:30-----	.38	.0050	.0699	<i>p. m.</i>			
4:00-----	.08	.0010	.0045	7:00-----	.92	.0121	.0255	9:00-----	.35	.0046	.0723	12:10-----	.09	.0012	.0171
5:00-----	.07	.0009	.0054	:10-----	.86	.0113	.0275	:30-----	.33	.0043	.0745	8:40-----	.09	.0012	.0273
6:00-----	.07	.0009	.0063	:20-----	.80	.0105	.0293	:50-----	.31	.0041	.0759	10:20-----	.09	.0011	.0293
:30-----	.06	.0008	.0067	:30-----	.73	.0096	.0310	10:15-----	.30	.0039	.0776	12:00-----	.09	.0011	.0311
8:00-----	.06	.0008	.0079	:40-----	.65	.0085	.0325	12:00-----	.30	.0039	.0844				
:40-----	.06	.0008	.0084	:50-----	.58	.0076	.0338								
11:00-----	.06	.0008	.0103	8:00-----	.54	.0071	.0350	<i>p. m.</i>				Dec. 22			
:30-----	.05	.0007	.0107	:10-----	.50	.0066	.0361	1:00-----	.28	.0037	.0882	<i>a. m.</i>			
12:00-----	.05	.0006	.0110	:20-----	.46	.0060	.0372	:20-----	.31	.0041	.0895	5:00-----	.09	.0011	.0055
				:30-----	.42	.0055	.0382	:40-----	.40	.0052	.0910	:20-----	.08	.0010	.0058
<i>p. m.</i>				:40-----	.40	.0052	.0391	:50-----	.46	.0060	.0919				
7:00-----	.05	.0006	.0152	:50-----	.38	.0050	.0400	2:00-----	.54	.0071	.0930	<i>p. m.</i>			
8:00-----	.04	.0005	.0157	9:00-----	.36	.0047	.0408	:05-----	.60	.0079	.0936	1:40-----	.08	.0010	.0138
9:30-----	.04	.0005	.0165	:30-----	.31	.0041	.0430	:10-----	.68	.0089	.0943	2:00-----	.07	.0009	.0141
12:00-----	.04	.0005	.0178	10:00-----	.28	.0037	.0450	:15-----	.73	.0096	.0951	12:00-----	.07	.0009	.0231
				:30-----	.27	.0035	.0468	:20-----	.73	.0096	.0959				
Dec. 9				11:00-----	.26	.0034	.0485	:40-----	.68	.0089	.0990	Dec. 23			
<i>a. m.</i>				:30-----	.24	.0031	.0501	3:00-----	.58	.0076	.1017	<i>a. m.</i>			
12:30-----	.04	.0005	.0003	12:00-----	.22	.0029	.0516	:20-----	.50	.0066	.1041	3:00-----	.06	.0008	.0027
								:40-----	.44	.0058	.1062	:06-----	.06	.0008	.0085
<i>p. m.</i>				Dec. 13				4:00-----	.40	.0052	.1080	10:20-----	.06	.0008	.0088
1:00-----	.04	.0005	.0066	<i>a. m.</i>				:20-----	.38	.0050	.1097	:40-----	.06	.0008	.0088
8:00-----	.04	.0005	.0101	1:00-----	.18	.0024	.0026	5:00-----	.35	.0046	.1129				
9:00-----	.04	.0005	.0106	2:00-----	.16	.0021	.0049	:30-----	.31	.0041	.1151	<i>p. m.</i>			
11:00-----	.03	.0004	.0114	:30-----	.15	.0019	.0059	6:00-----	.30	.0039	.1171	12:00-----	.06	.0008	.0195
:30-----	.04	.0005	.0117	3:00-----	.14	.0018	.0068	:30-----	.28	.0037	.1190				
12:00-----	.04	.0005	.0120	4:00-----	.13	.0017	.0085	7:00-----	.27	.0035	.1208	Dec. 24			
				5:00-----	.12	.0016	.0101	8:00-----	.26	.0034	.1242	<i>a. m.</i>			
Dec. 10				6:30-----	.11	.0014	.0124	9:00-----	.24	.0031	.1274	7:00-----	.06	.0008	.0056
<i>a. m.</i>				7:30-----	.10	.0013	.0137	10:00-----	.23	.0030	.1304	9:00-----	.05	.0007	.0070
12:00-----	.04	.0005	.0060	9:30-----	.09	.0012	.0161	12:00-----	.23	.0030	.1364				
				11:00-----	.09	.0011	.0178					<i>p. m.</i>			
<i>p. m.</i>				12:00-----	.08	.0010	.0188	Dec. 17				1:00-----	.05	.0007	.0098
2:00-----	.03	.0004	.0068					<i>a. m.</i>				12:00-----	.05	.0007	.0175
3:30-----	.03	.0004	.0074	<i>p. m.</i>				1:00-----	.20	.0026	.0028				
8:00-----	.03	.0004	.0092	12:00-----	.08	.0010	.0308	2:00-----	.19	.0025	.0054	Dec. 25			
11:00-----	.02	.0003	.0101					4:00-----	.19	.0025	.0104	<i>p. m.</i>			
12:00-----	.02	.0003	.0104	Dec. 14 <sup>1</sup>	.08	.0010	.0240	6:00-----	.18	.0024	.0152	11:00-----	.05	.0007	.0161
								11:00-----	.18	.0024	.0272	:20-----	.06	.0008	.0163
Dec. 11 <sup>1</sup>	.02	.0003	.0072	Dec. 15				<i>p. m.</i>				12:00-----	.08	.0010	.0169
<i>a. m.</i>				<i>p. m.</i>				1:00-----	.19	.0025	.0322				
7:00-----	.02	.0003	.0021	9:00-----	.08	.0010	.0210	12:00-----	.19	.0025	.0597	Dec. 26			
9:00-----	.03	.0004	.0029	12:00-----	.09	.0011	.0240					<i>a. m.</i>			
10:40-----	.03	.0004	.0036	Dec. 16				Dec. 18				1:00-----	.10	.0013	.0011
11:20-----	.03	.0004	.0039	<i>a. m.</i>				4:00-----	.19	.0025	.0100	2:00-----	.12	.0016	.0025
:40-----	.04	.0005	.0040	12:15-----	.09	.0012	.0003	8:00-----	.18	.0024	.0196	:40-----	.12	.0016	.0036
<i>p. m.</i>				:30-----	.10	.0013	.0006					4:00-----	.14	.0018	.0058
12:15-----	.04	.0005	.0043	:40-----	.11	.0014	.0008	<i>p. m.</i>				5:00-----	.14	.0018	.0076
:30-----	.05	.0006	.0045	:50-----	.12	.0016	.0011	1:00-----	.18	.0024	.0316	6:00-----	.12	.0016	.0093
:40-----	.06	.0008	.0046	1:00-----	.15	.0019	.0014	2:00-----	.17	.0022	.0339	7:00-----	.10	.0013	.0107
:50-----	.06	.0008	.0047	:10-----	.17	.0022	.0017	7:00-----	.17	.0022	.0449	8:40-----	.09	.0011	.0127
1:10-----	.06	.0008	.0050	:20-----	.19	.0025	.0021	9:40-----	.16	.0021	.0505	10:00-----	.08	.0010	.0140
:20-----	.07	.0009	.0051	:30-----	.22	.0029	.0026	12:00-----	.16	.0021	.0554				
:50-----	.07	.0009	.0055	:40-----	.26	.0034	.0031					<i>p. m.</i>			
2:00-----	.08	.0010	.0057	:50-----	.31	.0041	.0037	Dec. 19				1:00-----	.07	.0009	.0167
:10-----	.09	.0011	.0059	:55-----	.36	.0047	.0041	<i>a. m.</i>				4:00-----	.07	.0009	.0194
:15-----	.10	.0013	.0060	2:00-----	.40	.0052	.0045	1:00-----	.16	.0021	.0021	8:00-----	.06	.0008	.0226
:20-----	.13	.0017	.0061	:05-----	.46	.0060	.0050	5:00-----	.15	.0019	.0101	12:00-----	.06	.0008	.0258
:45-----	.14	.0018	.0068	:10-----	.50	.0066	.0055	12:00-----	.15	.0019	.0234				
3:00-----	.16	.0021	.0073	:20-----	.56	.0073	.0067	<i>p. m.</i>				<i>a. m.</i>			
:15-----	.17	.0022	.0078	:30-----	.60	.0079	.0080	12:20-----	.16	.0021	.0271	8:00-----	.06	.0008	.0064
:20-----	.18	.0024	.0080	:40-----	.68	.0089	.0094	9:20-----	.16	.0021	.0429	9:00-----	.05	.0007	.0071
:30-----	.20	.0026	.0084	:50-----	.73	.0096	.0109	12:00-----	.15	.0019	.0482				
:40-----	.23	.0030	.0089	3:00-----	.80	.0105	.0126					<i>p. m.</i>			
4:00-----	.23	.0030	.0099	:10-----	.86	.0113	.0144	Dec. 20				1:00-----	.05	.0007	.0099
:10-----	.22	.0029	.0104	:20-----	.98	.0129	.0164	<i>a. m.</i>				2:00-----	.05	.0006	.0106
:20-----	.20	.0026	.0109	:30-----	1.07	.0140	.0186	5:00-----	.14	.0018	.0090	3:40-----	.05	.0006	.0116
:30-----	.19	.0025	.0113	:40-----	1.20	.0157	.0211	8:40-----	.14	.0018	.0156	:50-----	.06	.0008	.0117
:50-----	.18	.0024	.0121	:45-----	1.27	.0167	.0224	9:40-----	.13	.0017	.0173	4:00-----	.07	.0009	.0118
5:00-----	.17	.0022	.0125	:50-----	1.31	.0171	.0238					:20-----	.09	.0011	.0121
:05-----	.17	.0022	.0127	4:00-----	1.35	.0177	.0267	<i>p. m.</i>				:30-----	.09	.0012	.0123
:15-----	.18	.0024	.0131	:15-----	1.27	.0167	.0310	8:00-----	.13	.0017	.0348	:35-----	.12	.0016	.0124
:20-----	.19	.0025	.0133	:30-----	1.17	.0154	.0350	10:00-----	.12	.0016	.0382	:40-----	.14	.0018	.0125
:30-----	.22	.0029	.0138	:40-----	1.10	.0144	.0375	12:00-----	.12	.0016	.0414	:50-----	.18	.0024	.0129
:40-----	.24	.0031	.0143	:50-----	1.04	.0136	.0398					5:00-----	.20	.0026	.0133
:50-----	.28	.0037	.0149	5:00-----	.98	.0129	.0420	Dec. 21				:02-----	.23	.0030	.0134
6:00-----	.35	.0046	.0156	:10-----	.92	.0121	.0441	<i>a. m.</i>				:04-----	.26	.0034	.0135
:05-----	.38	.0050	.0160	:20-----	.89	.0117	.0461	2:00-----	.12	.0016	.0032	:06-----	.28	.0037	.0136
:10-----	.46	.0060	.0165	:30-----	.83	.0109	.0480	4:00-----	.11	.0014	.0062	:08-----	.31	.0041	.0137
:15-----	.54	.0071	.0170	:40-----	.78	.0102	.0498					:13-----	.38	.0050	.0141
:20-----	.68	.0089	.0177	6:00-----	.70	.0092	.0530					:15-----	.42	.0055	.0143
				:20-----	.63	.0083	.0559					:20-----	.50	.0066	.0148
				:40-----	.58	.0076	.0585								

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 24.—Run-off from watershed 177, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Dec. 27				Dec. 28				Dec. 29				Dec. 29			
p. m.				p. m.				a. m.				p. m.			
5:22-----	0.56	0.0073	0.0150	1:00-----	0.16	0.0021	0.0325	1:34-----	2.11	0.0277	0.0183	12:20-----	0.63	0.0083	0.2240
:24-----	.63	.0083	.0153	4:00-----	.15	.0019	.0388	:36-----	2.31	.0303	.0193	1:20-----	.58	.0076	.2319
:26-----	.70	.0092	.0156	5:20-----	.15	.0019	.0410	:40-----	2.52	.0331	.0213	2:00-----	.56	.0073	.2368
:28-----	.78	.0102	.0159	:40-----	.16	.0021	.0417	:42-----	2.86	.0375	.0225	3:00-----	.54	.0071	.2440
:30-----	.83	.0109	.0162	:50-----	.18	.0024	.0421	:44-----	3.10	.0407	.0238	:30-----	.56	.0073	.2476
:40-----	.95	.0125	.0182	6:10-----	.20	.0026	.0429	:46-----	3.36	.0441	.0252	:50-----	.60	.0079	.2501
:45-----	.98	.0129	.0193	:30-----	.23	.0030	.0438	:50-----	3.62	.0475	.0283	4:10-----	.65	.0085	.2528
:55-----	.98	.0129	.0215	:40-----	.26	.0034	.0443	2:00-----	3.90	.0512	.0365	:40-----	.73	.0096	.2573
6:00-----	.95	.0125	.0226	:50-----	.31	.0041	.0449	:10-----	4.04	.0530	.0452	8:00-----	.73	.0096	.2593
:20-----	.83	.0109	.0265	7:00-----	.35	.0046	.0456	:30-----	4.04	.0530	.0528	10:20-----	.70	.0092	.3112
:30-----	.75	.0098	.0282	:10-----	.40	.0052	.0464	:40-----	3.76	.0493	.0613	12:00-----	.68	.0089	.3262
:40-----	.68	.0089	.0289	:30-----	.38	.0050	.0481	:45-----	3.49	.0458	.0652				
:50-----	.60	.0079	.0312	:50-----	.35	.0046	.0497	:50-----	3.29	.0432	.0689	Dec. 30			
7:00-----	.56	.0073	.0325	8:00-----	.31	.0041	.0504	3:00-----	3.04	.0399	.0758	a. m.			
:10-----	.52	.0068	.0337	:50-----	.31	.0041	.0538	:10-----	2.81	.0369	.0822	3:00-----	.65	.0085	.0261
:30-----	.46	.0060	.0358	9:10-----	.35	.0046	.0552	:20-----	2.52	.0331	.0880	5:00-----	.63	.0083	.0429
:40-----	.42	.0055	.0368	:20-----	.38	.0050	.0560	:30-----	2.36	.0310	.0933	6:30-----	.60	.0079	.0551
8:00-----	.38	.0050	.0385	:40-----	.42	.0055	.0577	:40-----	2.11	.0277	.0982	8:30-----	.58	.0076	.0705
:20-----	.35	.0046	.0401	10:10-----	.42	.0055	.0605	:50-----	1.97	.0258	.1027	10:30-----	.56	.0073	.0853
:40-----	.31	.0041	.0416	:20-----	.46	.0060	.0615	4:00-----	1.97	.0258	.1070				
9:00-----	.28	.0037	.0429	:30-----	.46	.0060	.0625	:20-----	2.06	.0270	.1158	p. m.			
:40-----	.27	.0035	.0453	:40-----	.50	.0066	.0636	:40-----	1.83	.0240	.1243	1:30-----	.54	.0071	.1069
10:20-----	.27	.0035	.0476	:50-----	.56	.0073	.0648	:50-----	1.74	.0228	.1282	3:30-----	.52	.0068	.1207
:40-----	.28	.0037	.0488	11:00-----	.68	.0089	.0662	5:00-----	1.58	.0207	.1318	5:00-----	.50	.0066	.1308
11:00-----	.31	.0041	.0501	:10-----	.80	.0105	.0678	:10-----	1.46	.0192	.1351	6:20-----	.48	.0063	.1393
:20-----	.31	.0041	.0515	:30-----	.89	.0117	.0715	:20-----	1.27	.0167	.1381	8:00-----	.46	.0060	.1495
12:00-----	.28	.0037	.0541	:50-----	.89	.0117	.0754	:40-----	1.14	.0150	.1434	11:00-----	.44	.0058	.1672
				12:00-----	.83	.0109	.0773	6:00-----	1.00	.0131	.1481	12:00-----	.42	.0055	.1728
								:20-----	.89	.0117	.1522	Dec. 31			
Dec. 28				Dec. 29				:30-----	.83	.0109	.1541	a. m.			
a. m.				a. m.				7:00-----	.83	.0109	.1596	1:00-----	.42	.0055	.0055
12:30-----	.27	.0035	.0018	12:20-----	.75	.0098	.0034	:20-----	.89	.0117	.1634	3:00-----	.40	.0052	.0161
1:00-----	.26	.0034	.0035	:50-----	.68	.0089	.0081	:40-----	.95	.0125	.1674	4:00-----	.38	.0050	.0212
:20-----	.24	.0031	.0046	:55-----	.68	.0089	.0088	8:20-----	1.04	.0136	.1696	6:00-----	.38	.0050	.0312
:40-----	.23	.0030	.0056	1:00-----	.73	.0096	.0096	:40-----	1.14	.0150	.1813	8:00-----	.36	.0047	.0408
2:40-----	.23	.0030	.0086	:10-----	.80	.0105	.0113	:20-----	1.14	.0150	.1863	10:00-----	.35	.0046	.0500
3:00-----	.22	.0029	.0096	:15-----	.95	.0125	.0123	:40-----	1.17	.0154	.1914				
5:00-----	.22	.0029	.0144	:20-----	1.14	.0150	.0134	10:00-----	.95	.0125	.2007	p. m.			
:20-----	.20	.0026	.0153	:25-----	1.35	.0177	.0148	:30-----	.89	.0117	.2068	6:00-----	.35	.0046	.0868
6:20-----	.19	.0025	.0178	:28-----	1.58	.0207	.0158	:50-----	.78	.0102	.2104	9:00-----	.33	.0043	.1000
:50-----	.18	.0024	.0190	:30-----	1.74	.0228	.0165	11:10-----	.73	.0096	.2137	10:20-----	.31	.0041	.1056
7:30-----	.18	.0024	.0206	:32-----	1.92	.0252	.0173	:40-----	.68	.0089	.2183	12:00-----	.31	.0041	.1124
8:40-----	.17	.0022	.0233												
9:30-----	.16	.0021	.0251												

TABLE 25.—Run-off from watershed 196, 1940

LOCATION: Latitude 40°21'36'', longitude 81°46'04''.

#### PHYSICAL CHARACTERISTICS:

*Drainage area.*—0.47 square miles (303 acres).

*Length of principal watercourse.*—4,600 feet.

*Topography.*—The area is highly dissected and well drained and has steep slopes of moderate length. Aspect is to the southeast.

*Slope.*—Average slope is 14 percent. Slope distribution not determined.

*Erosion condition.*—On that part of the drainage area which is not in woodland, 50 to 75 percent of the topsoil has been removed by sheet erosion. There are occasional gullies more than 100 feet apart on 10 percent of the area, frequent gullies less than 100 feet apart on 10 acres, and land slips on 1 percent of the drainage area, all estimated.

*Soil.*—Coshocton silt loam is the predominant soil type on this watershed.

*Special features.*—None.

#### LAND USE AND VEGETAL COVER:

*Land use.*—Mixed cover under prevailing agricultural practices.

*Vegetal cover and soil condition.*—See table 10 and headnotes of tables 27, 28, 29, 30, and 35.

#### MEASUREMENTS:

*Precipitation.*—Rainfall was measured at 9 recording rain gages; the meteorological station, Y102, 107, 108, 109, 110,

113, 115, and 116, and at 3 nonrecording rain gages, 104, 111, and 117 (fig. 2). The amount of rainfall on the watershed was obtained by Thiessen weight. Snowfall was measured at the rain gages supplemented by snowboards. Snow inventory on the watershed was based on surveys and observations made on typical areas near project headquarters.

*Run-off.*—Run-off was measured by current-meter station with Columbus deep-notch weir control. Records of run-off are good. There is considerable inaccuracy of recession curves, particularly for summer storms, because of silt deposits behind the control. The rating curve is well established for the lower heads by 34 discharge measurements made at discharges of less than 40 c. f. s. The rating curve for higher discharges was estimated by hydrographic comparison with other stations.

*Soil loss.*—Records of soil loss were not obtained.

*Changes in instrumentation during year.*—None.

#### SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, APRIL 1937 TO DECEMBER 1940:

*Rainfall.*—Total precipitation for 1940, 45.00 inches; average annual precipitation for period of record, 40.05 inches.

*Run-off.*—Maximum rate of run-off for period of record, 0.203 inch per hour, July 8, 1939; maximum rate of run-off, 1940, 0.140 inch per hour, Aug. 27.



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Jan. 1-3	0.07	0.0002	0.0156	Jan. 14				Jan. 15				Jan. 21			
Jan. 4				a. m.				p. m.				p. m.			
5:00	.07	.0002	.0037	8:30	16.7	0.0546	0.0602	3:45	0.70	0.0023	0.0388	2:00	0.10	0.0003	0.0049
12:00	.06	.0002	.0052	:40	15.4	.0504	.0690	4:10	.66	.0022	.0397	7:00	.10	.0003	.0065
Jan. 5				:50	14.0	.0458	.0770	5:20	.63	.0020	.0421	12:00	.10	.0003	.0081
a. m.				9:00	12.6	.0412	.0842	:50	.59	.0019	.0431	Jan. 22			
8:00	.06	.0002	.0016	:10	11.2	.0366	.0907	6:10	.59	.0019	.0437	a. m.			
1:00	.06	.0002	.0026	:20	10.0	.0327	.0965	:20	.56	.0018	.0440	5:00	.09	.0003	.0015
12:00	.06	.0002	.0047	:30	9.47	.0310	.1018	:35	.50	.0016	.0444	p. m.			
Jan. 6-11	.06	.0002	.0276	:36	9.19	.0301	.1049	:52	.50	.0016	.0449	12:00	.09	.0003	.0070
Jan. 12				:40	9.47	.0310	.1069	7:00	.48	.0016	.0451	Jan. 23-24	.09	.0003	.0138
a. m.				:50	10.6	.0347	.1124	:15	.43	.0014	.0455	Jan. 25			
5:00	.06	.0002	.0010	:58	12.2	.0399	.1174	:30	.48	.0016	.0459	a. m.			
8:00	.06	.0002	.0016	10:00	12.6	.0412	.1188	:40	.50	.0016	.0462	3:00	.09	.0003	.0009
12:00	.06	.0002	.0024	:20	14.0	.0458	.1333	8:20	.48	.0016	.0473	4:20	.10	.0003	.0013
Jan. 13				:40	12.9	.0422	.1480	9:00	.45	.0015	.0484	5:20	.10	.0003	.0016
a. m.				11:00	10.6	.0347	.1608	:40	.43	.0014	.0493	6:20	.12	.0004	.0020
2:20	.07	.0002	.0029	:20	9.19	.0301	.1716	10:20	.43	.0014	.0500	7:00	.14	.0004	.0023
7:40	.07	.0002	.0041	:40	7.90	.0258	.1809	:40	.41	.0013	.0512	8:00	.18	.0006	.0028
10:20	.07	.0002	.0047	12:00	6.72	.0220	.1889	11:10	.41	.0013	.0512	9:00	.24	.0008	.0035
12:00	.07	.0002	.0051	p. m.				12:00	.36	.0012	.0522	10:00	.32	.0010	.0044
Jan. 14				12:20	5.91	.0193	.1958	Jan. 16				:20	.34	.0011	.0047
a. m.				:40	5.35	.0175	.2019	a. m.				:40	.32	.0010	.0050
5:00	.06	.0002	.0010	1:00	4.80	.0157	.2074	1:40	.36	.0012	.0020	11:00	.28	.0009	.0053
8:00	.06	.0002	.0016	:20	4.52	.0148	.2125	3:00	.38	.0012	.0036	:20	.23	.0007	.0056
12:00	.07	.0002	.0024	:40	4.24	.0139	.2173	4:40	.38	.0012	.0056	40	.18	.0006	.0058
Jan. 15				:50	4.10	.0134	.2196	7:00	.36	.0012	.0084	12:00	.15	.0005	.0060
a. m.				2:00	4.10	.0134	.2218	8:20	.34	.0011	.0100	Jan. 26			
2:20	.07	.0002	.0029	:10	3.95	.0129	.2240	9:00	.34	.0011	.0107	a. m.			
7:40	.07	.0002	.0041	:16	3.95	.0129	.2253	:50	.36	.0012	.0117	1:30	.08	.0003	.0004
10:20	.07	.0002	.0047	:20	4.10	.0134	.2262	11:00	.41	.0013	.0119	2:40	.08	.0002	.0007
12:00	.07	.0002	.0051	:33	4.38	.0143	.2292	12:00	.45	.0015	.0133	4:00	.07	.0002	.0010
Jan. 16				:40	4.52	.0148	.2309	p. m.				5:30	.06	.0002	.0013
a. m.				3:00	4.38	.0143	.2358	12:35	.45	.0015	.0142	6:30	.05	.0002	.0015
2:20	.06	.0002	.0005	:20	3.95	.0129	.2403	1:00	.43	.0014	.0148	8:30	.05	.0002	.0018
7:40	.06	.0002	.0021	:40	3.49	.0114	.2444	:30	.41	.0013	.0155	11:00	.05	.0002	.0022
10:20	.07	.0002	.0023	4:00	3.10	.0101	.2480	2:00	.38	.0013	.0161	12:00	.05	.0002	.0024
12:00	.07	.0002	.0024	:20	2.84	.0093	.2512	5:00	.36	.0012	.0197	Jan. 27			
Jan. 17				:40	2.61	.0085	.2542	9:00	.34	.0011	.0245	a. m.			
a. m.				5:00	2.41	.0079	.2569	12:00	.32	.0010	.0275	3:00	.04	.0001	.0004
2:20	.08	.0002	.0028	:30	2.23	.0073	.2607	Jan. 18				6:00	.04	.0001	.0008
7:40	.09	.0003	.0029	6:00	2.05	.0067	.2642	a. m.				8:40	.03	.0001	.0011
10:20	.10	.0003	.0030	:40	1.86	.0061	.2685	3:50	.32	.0010	.0038	12:00	.03	.0001	.0014
12:00	.12	.0004	.0032	7:00	1.77	.0058	.2705	6:00	.30	.0010	.0060	Jan. 28			
Jan. 18				8:00	1.54	.0050	.2759	p. m.				a. m.			
a. m.				9:00	1.40	.0046	.2807	2:00	.30	.0010	.0140	2:40	.02	.0001	.0002
2:20	.13	.0004	.0033	10:00	1.26	.0041	.2851	5:20	.28	.0009	.0177	5:40	.02	.0001	.0004
7:40	.14	.0004	.0034	:40	1.19	.0039	.2878	8:20	.26	.0008	.0203	9:00	.02	.0001	.0006
10:20	.15	.0005	.0039	:45	1.33	.0044	.2882	12:00	.24	.0008	.0233	12:00	.01	.0001	.0007
12:00	.16	.0005	.0043	11:00	1.40	.0046	.2893	Jan. 19				Jan. 29-30	0	0	0
Jan. 19				:10	1.40	.0046	.2901	a. m.							
a. m.				:30	1.26	.0041	.2916	3:00	.17	.0006	.0017				
2:20	.17	.0006	.0046	:50	1.26	.0041	.2930	8:00	.16	.0005	.0044				
7:40	.20	.0006	.0049	12:00	1.19	.0039	.2937	Jan. 20							
10:20	.21	.0007	.0050	Jan. 15				a. m.							
12:00	.24	.0008	.0051	a. m.				4:00	.23	.0007	.0031				
Jan. 20				12:10	1.14	.0037	.0006	9:00	.21	.0007	.0067				
a. m.				:20	1.26	.0041	.0012	p. m.							
2:20	.28	.0009	.0052	:50	1.26	.0041	.0032	2:00	.20	.0006	.0100				
7:40	.28	.0009	.0053	:55	1.14	.0037	.0035	7:00	.18	.0006	.0131				
10:20	.30	.0010	.0054	1:00	1.02	.0033	.0038	12:00	.17	.0006	.0160				
12:00	.34	.0011	.0054	2:00	.92	.0030	.0070	Jan. 21							
Jan. 21				:40	.87	.0029	.0090	a. m.							
a. m.				4:00	.83	.0027	.0099	3:00	.17	.0006	.0017				
2:20	.26	.0009	.0024	5:00	.80	.0026	.0125	8:00	.16	.0005	.0044				
7:40	.26	.0009	.0024	6:20	.76	.0025	.0160	p. m.							
10:20	.28	.0009	.0025	7:30	.73	.0024	.0188	1:00	.16	.0005	.0070				
12:00	.30	.0010	.0025	8:40	.70	.0023	.0216	6:00	.15	.0005	.0095				
Jan. 22				9:10	.66	.0022	.0227	12:00	.14	.0004	.0123				
a. m.				:50	.66	.0022	.0242	Jan. 22							
2:20	.34	.0011	.0054	10:20	.70	.0023	.0253	a. m.							
7:40	.38	.0012	.0056	:56	.70	.0023	.0267	4:00	.14	.0004	.0018				
10:20	.43	.0014	.0061	11:00	.73	.0024	.0269	11:00	.13	.0004	.0048				
12:00	.48	.0016	.0063	:10	.92	.0030	.0273	p. m.							
Jan. 23				:16	.97	.0032	.0276	2:00	.13	.0004	.0060				
a. m.				:40	.83	.0027	.0288	7:00	.12	.0004	.0080				
2:20	.59	.0019	.0066	12:00	.76	.0025	.0297	12:00	.12	.0004	.0099				
7:40	.70	.0023	.0068	Jan. 15				Jan. 23							
10:20	.92	.0030	.0069	a. m.				a. m.							
12:00	1.33	.0044	.0069	12:20	.73	.0024	.0305	4:00	.11	.0004	.0019				
Jan. 24				:50	.70	.0023	.0317	10:00	.10	.0003	.0036				
a. m.				1:40	.66	.0022	.0335	Jan. 24							
2:20	.26	.0009	.0024	2:44	.66	.0022	.0358	a. m.							
7:40	.28	.0009	.0025	:45	.70	.0023	.0360	4:00	.11	.0004	.0019				
10:20	.30	.0010	.0025	:50	.97	.0032	.0366	10:00	.10	.0003	.0036				
12:00	.34	.0011	.0025	3:00	1.14	.0037	.0377	Jan. 25							
Jan. 25				:20	.92	.0030	.0382	a. m.							
a. m.				:30	.80	.0026	.0382	4:00	.11	.0004	.0019				
2:20	.26	.0009	.0024	:35	.73	.0024	.0384	10:00	.10	.0003	.0036				

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Jan. 31	Second-foot	Inches per hour	Inches	Feb. 6	Second-foot	Inches per hour	Inches	Feb. 9	Second-foot	Inches per hour	Inches	Feb. 10	Second-foot	Inches per hour	Inches
a. m.				p. m.				a. m.				p. m.			
7:00	T	T	T	2:00	0.41	0.9013	0.0010	2:00	0.23	0.0007	0.0015	6:20	20.8	0.0681	0.1956
9:00	.01	T		:10	.43	.0014	.0012	6:00	.21	.0007	.0043	:40	21.8	.0714	.2189
10:00	.01	T		:14	.56	.0018	.0013	12:00	.21	.0007	.0084	:47	21.8	.0714	.2272
11:00	.01	T		:18	.59	.0019	.0014					7:00	21.2	.0694	.2425
12:00	.02	T		:20	.80	.0026	.0015	p. m.				:20	19.8	.0648	.2649
				:21	.87	.0028		1:00	.23	.0007	.0091	:40	16.2	.0530	.2845
p. m.				:25	.87	.0028	.0017	:40	.23	.0007	.0096	:40	13.3	.0435	.3006
12:00	.02	T	.0007	:26	1.02	.0033		2:00	.24	.0008	.0098	:20	11.2	.0366	.3139
Feb. 1				:28	1.40	.0046	.0018	:30	.28	.0009	.0102	:40	10.3	.0337	.3256
a. m.				:40	.92	.0030	.0026	3:00	.32	.0010	.0107	:50	10.3	.0337	.3312
3:00	.02	T	.0002	:50	1.02	.0033	.0031	:20	.36	.0012	.0111	9:00	10.6	.0347	.3369
6:30	.02	T	.0004	3:00	1.19	.0039	.0037	:40	.38	.0012	.0115	:10	10.3	.0337	.3426
8:00	.02	T	.0005	:10	1.26	.0041	.0044	4:00	.43	.0014	.0119	:16	10.3	.0337	.3460
10:10	.02	.0001	.0006	:20	1.47	.0048	.0051	:20	.45	.0015	.0124	:25	10.0	.0327	.3510
12:00	.02	T	.0007	:30	1.77	.0058	.0060	:40	.50	.0016	.0129	:40	8.67	.0284	.3586
				:40	1.86	.0061	.0070	5:20	.59	.0019	.0141	10:00	7.19	.0235	.3673
p. m.				4:00	1.95	.0064	.0091	:40	.70	.0023	.0148	:20	6.11	.0200	.3746
12:00	.02	T	.0014	:10	1.95	.0064	.0102	6:00	.76	.0025	.0156	:40	5.53	.0181	.3809
				:30	2.05	.0067	.0124	7:00	.80	.0026	.0182	11:00	4.98	.0163	.3866
Feb. 2				:58	2.05	.0067	.0155	:40	.83	.0027	.0199	:20	4.52	.0148	.3918
a. m.				5:00	2.14	.0070	.0157	:50	.97	.0032	.0204	:40	4.24	.0139	.3966
5:00	.02	T	.0003	:02	2.23	.0073	.0159	8:00	1.02	.0033	.0209	12:00	3.95	.0129	.4011
8:00	.02	T	.0005	:20	2.41	.0079	.0182	:05	1.08	.0035	.0212				
10:40	.02	T	.0006	:50	2.51	.0082	.0222	:20	1.33	.0044	.0222	Feb. 11			
				6:20	2.41	.0079	.0262	:38	1.69	.0055	.0237	a. m.			
p. m.				:40	2.23	.0073	.0287	:45	1.77	.0058	.0244	12:20	3.49	.0114	.0041
12:10	.02	T	.0007	7:00	2.05	.0067	.0310	:50	1.77	.0058	.0249	:40	3.10	.0101	.0077
12:00	.02	T	.0014	:20	1.86	.0061	.0331	9:00	1.69	.0055	.0258	:40	2.84	.0093	.0085
				:40	1.69	.0055	.0350	:20	1.62	.0053	.0276	:45	2.41	.0079	.0089
Feb. 3 <sup>1</sup>	.02	T	.0014	8:00	1.54	.0050	.0367	:36	1.62	.0053	.0290	:48	2.41	.0079	.0105
Feb. 4				:20	1.40	.0046	.0383	10:00	1.86	.0061	.0313	1:00	2.41	.0079	.0121
a. m.				:40	1.26	.0041	.0398	:10	1.86	.0061	.0323	:12	2.51	.0082	.0134
6:00	.02	T	.0004	9:00	1.19	.0039	.0411	:20	2.14	.0070	.0334	:22	2.32	.0076	.0134
10:00	.02	.0001	.0006	:20	1.08	.0035	.0423	:40	2.61	.0085	.0360	:40	2.51	.0085	.0158
				:40	1.02	.0033	.0434	:48	2.72	.0089	.0372	2:00	2.61	.0085	.0186
p. m.				10:00	.92	.0030	.0445	11:00	2.61	.0085	.0389	:30	2.61	.0085	.0228
8:00	.02	.0001	.0012	:40	.83	.0027	.0464	:20	2.41	.0079	.0416	3:00	2.51	.0082	.0270
12:00	.02	.0001	.0015	11:00	.80	.0026	.0473	:40	2.23	.0073	.0441	:20	2.41	.0079	.0297
				:30	.76	.0025	.0486	12:00	2.05	.0067	.0464	:40	2.32	.0076	.0323
Feb. 5				12:00	.73	.0024	.0498					4:00	2.23	.0073	.0348
a. m.				Feb. 7				Feb. 10				5:00	2.05	.0067	.0418
5:00	.02	.0001	.0004	a. m.				12:20	1.86	.0061	.0021	6:00	1.86	.0061	.0482
8:00	.02	.0001	.0006	12:30	.70	.0023	.0012	1:00	1.62	.0053	.0059	7:00	1.69	.0055	.0540
11:30	.03	.0001	.0009	1:20	.63	.0020	.0030	:30	1.54	.0050	.0085	:30	1.54	.0050	.0566
				:50	.59	.0019	.0040	2:00	1.47	.0048	.0109	8:20	1.47	.0048	.0617
p. m.				2:00	.59	.0019	.0043	:40	1.40	.0046	.0140	9:00	1.47	.0048	.0639
2:30	.03	.0001	.0012	:40	.56	.0018	.0055	4:30	1.33	.0044	.0222	10:00	1.40	.0046	.0686
6:00	.03	.0001	.0015	3:40	.53	.0017	.0073	6:00	1.26	.0041	.0285	11:00	1.40	.0046	.0732
9:00	.03	.0001	.0018	4:20	.56	.0018	.0085	:20	1.26	.0041	.0299	:40	1.47	.0048	.0763
10:40	.03	.0001	.0020	5:00	.62	.0020	.0098	7:20	1.33	.0044	.0341				
12:00	.03	.0001	.0021	6:00	.56	.0018	.0117	:50	1.40	.0046	.0363	1:00	1.47	.0048	.0827
Feb. 6				7:00	.53	.0017	.0135	8:20	1.47	.0048	.0387	2:00	1.54	.0050	.0876
a. m.				:50	.50	.0016	.0148	:50	1.54	.0050	.0411	3:20	1.69	.0055	.0945
2:00	.03	.0001	.0002	8:40	.48	.0016	.0161	9:20	1.54	.0050	.0436	4:30	1.86	.0061	.1013
:30	.02	.0001	.0001	9:40	.45	.0015	.0177	:50	1.62	.0053	.0462	5:20	1.86	.0061	.1064
:40	.01	T		10:30	.43	.0014	.0189	10:20	1.54	.0050	.0488	6:00	1.77	.0058	.1114
:40	.01	T		11:30	.41	.0013	.0203	11:20	1.47	.0048	.0537	7:00	1.62	.0053	.1160
:10	.02	.0001						:52	1.47	.0048	.0563	8:00	1.47	.0048	.1210
:20	.03	.0001		p. m.				12:00	1.54	.0050	.0570	9:00	1.40	.0046	.1257
:32	.04	.0001		12:20	.38	.0012	.0213					10:00	1.33	.0044	.1312
:40	.04	.0001		1:40	.36	.0012	.0229					11:00	1.26	.0041	.1344
11:00	.04	.0001		2:00	.34	.0011	.0233	p. m.				12:00	1.19	.0039	.1384
:20	.05	.0002		3:40	.32	.0010	.0250	12:20	1.69	.0055	.0587				
:40	.05	.0002		5:20	.30	.0010	.0267	1:00	1.95	.0064	.0627	Feb. 12			
12:00	.05	.0002		6:20	.30	.0010	.0277	:30	2.05	.0067	.0660	a. m.			
p. m.				8:00	.28	.0009	.0294	2:00	2.23	.0073	.0695	12:40	1.14	.0037	.0025
12:20	.05	.0002	.0003	9:30	.26	.0008	.0307	:30	2.32	.0076	.0732	2:40	1.02	.0033	.0095
:40	.06	.0002	.0004	11:00	.24	.0008	.0319	3:00	2.32	.0076	.0770	4:30	.97	.0032	.0154
1:00	.07	.0002	.0004	12:00	.24	.0008	.0327	:40	2.23	.0073	.0819	6:20	.92	.0030	.0211
:10	.08	.0002						4:00	2.41	.0079	.0844	10:40	.92	.0030	.0341
:15	.10	.0003		Feb. 8				:10	2.61	.0085	.0858	11:20	.97	.0032	.0362
:20	.14	.0004		a. m.				:15	3.49	.0114	.0866	:40	1.08	.0035	.0373
:22	.20	.0006		2:00	.23	.0007	.0015	:20	3.95	.0129	.0876	12:00	1.14	.0037	.0385
:24	.24	.0008		5:40	.21	.0007	.0041	:25	4.66	.0152	.0888				
:26	.30	.0010		8:40	.20	.0006	.0061	:30	5.35	.0175	.0902	p. m.			
:28	.32	.0010		11:20	.18	.0006	.0077	:32	6.32	.0207	.0908	12:10	1.47	.0048	.0392
:30	.34	.0011						:34	8.67	.0284	.0916	:20	1.95	.0064	.0401
:40	.38	.0012	.0006	p. m.				:36	10.6	.0347	.0927	:22	2.14	.0070	.0403
				1:20	.18	.0006	.0089	:38	11.9	.0389	.0939	:26	2.23	.0073	.0408
				3:00	.20	.0006	.0099	:40	13.3	.0435	.0953	:28	2.61	.0085	.0411
				4:40	.21	.0007	.0110	:45	15.1	.0494	.0992	:30	3.34	.0109	.0414
				6:20	.24	.0008	.0122	:50	16.2	.0530	.1035	:35	4.52	.0148	.0425
				7:20	.26	.0008	.0130	5:00	18.4	.0602	.1129	:40	5.71	.0187	.0439
				8:40	.24	.0008	.0141	:04	19.3	.0632	.1170	:45	6.52	.0213	.0456
				9:00	.24	.0008	.0144	:08	18.4	.0602	.1211	:58	5.35	.0175	.0498
				:30	.23	.0007	.0148	:14	18.4	.0602	.1271	1:00	5.91	.0193	.0504
				10:20	.24	.0008	.0154	:24	17.6	.0576	.1369	:06	6.96	.0228	.0525
				12:00	.23	.0007	.0167	:35	18.0	.0589	.1476	:20	6.11	.0200	.0575
								:40	18.9	.0618	.1526	:30	6.11	.0200	.0608
								:55	19.3	.0632	.1682	:32	6.32	.0207	.0615
								6:00	19.8	.0648	.1735	:40	5.71	.0187	.0641

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 12				Feb. 15				Feb. 18				Feb. 21			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
1:46	6.11	0.020	0.0660	2:00	0.53	0.0017	0.0036	1:00	1.08	0.0035	0.0216	3:20	1.33	0.0044	0.0156
:55	5.35	.0175	.0688	4:20	.50	.0016	.0073	:20	1.33	.0044	.0229	4:00	1.26	.0041	.0184
2:00	5.35	.0175	.0703	5:20	.48	.0016	.0089	:30	1.62	.0053	.0237	:32	1.19	.0039	.0205
:10	4.66	.0152	.0730	8:00	.48	.0016	.0132	:40	1.77	.0058	.0246	:48	1.14	.0037	.0215
:20	4.52	.0148	.0755	9:20	.50	.0016	.0153	:50	1.95	.0064	.0256	5:40	1.14	.0037	.0247
:40	4.10	.0134	.0802	10:20	.53	.0017	.0169	2:00	1.95	.0064	.0267	7:00	1.08	.0035	.0295
3:00	3.64	.0119	.0844	11:00	.56	.0018	.0181	:20	1.69	.0055	.0287	8:00	1.08	.0035	.0330
:20	3.34	.0109	.0882	12:00	.50	.0016	.0198	:40	1.54	.0050	.0304	:50	1.14	.0037	.0360
:40	3.10	.0101	.0917					3:00	1.33	.0044	.0320	9:40	1.26	.0041	.0392
4:00	2.97	.0097	.0950	<i>p. m.</i>				:20	1.26	.0041	.0334	10:20	1.40	.0046	.0421
:20	2.84	.0093	.0982	1:00	.50	.0016	.0214	:36	1.19	.0039	.0345	:30	1.54	.0050	.0429
:40	2.72	.0089	.1012	2:20	.53	.0017	.0235	4:20	1.14	.0037	.0373	:40	1.40	.0046	.0437
5:00	2.61	.0085	.1041	3:00	.56	.0018	.0247	5:20	1.14	.0037	.0410	:50	1.26	.0041	.0444
:12	2.51	.0082	.1058	4:12	.59	.0019	.0269	6:30	1.19	.0039	.0454	11:00	1.19	.0039	.0451
:15	2.84	.0093	.1062	5:00	.59	.0019	.0284	8:30	1.19	.0039	.0532	:40	1.14	.0037	.0476
:40	2.61	.0085	.1099	6:40	.56	.0018	.0314	10:20	1.14	.0037	.0602				
6:00	2.41	.0079	.1126	8:00	.53	.0017	.0338	12:00	1.14	.0037	.0664	<i>p. m.</i>			
:20	2.23	.0073	.1151	9:00	.50	.0016	.0354					12:40	1.14	.0037	.0513
:50	2.41	.0079	.1189	10:00	.48	.0016	.0370	Feb. 19				1:30	1.19	.0039	.0545
7:00	2.23	.0073	.1202	11:00	.45	.0015	.0386	<i>a. m.</i>				2:00	1.26	.0041	.0565
:20	1.95	.0064	.1225	12:00	.43	.0014	.0400	6:20	1.14	.0037	.0234	3:00	1.40	.0046	.0609
:40	1.86	.0061	.1246					7:30	1.19	.0039	.0278	:40	1.47	.0048	.0640
:50	1.86	.0061	.1277	Feb. 16				8:20	1.26	.0041	.0311	5:00	1.47	.0048	.0704
8:00	2.23	.0073	.1288	<i>a. m.</i>				:40	1.26	.0041	.0325	6:00	1.40	.0046	.0751
:04	2.41	.0079	.1293	2:00	.41	.0013	.0028	10:00	1.40	.0046	.0384	7:10	1.26	.0041	.0802
:08	1.77	.0058	.1298	4:00	.38	.0012	.0052	11:00	1.54	.0050	.0432	:50	1.19	.0039	.0829
:20	1.69	.0055	.1309	8:20	.38	.0012	.0104	:40	1.77	.0058	.0468	8:40	1.14	.0037	.0861
:40	1.62	.0053	.1327	9:10	.41	.0013	.0114	12:00	2.05	.0067	.0489	9:10	1.08	.0035	.0879
9:20	1.54	.0050	.1362	<i>p. m.</i>								:40	1.02	.0033	.0896
10:20	1.40	.0046	.1410	1:20	.41	.0013	.0168	12:20	2.14	.0070	.0512	:55	.97	.0032	.0904
11:00	1.33	.0044	.1440	2:40	.43	.0014	.0187	:40	2.51	.0082	.0537	10:05	.92	.0030	.0909
12:00	1.26	.0041	.1482	4:00	.45	.0015	.0206	1:00	2.72	.0089	.0566	12:00	.92	.0030	.0967
Feb. 13				5:30	.48	.0016	.0230	:20	3.10	.0101	.0598	Feb. 22			
<i>a. m.</i>				7:20	.45	.0015	.0259	:40	3.34	.0109	.0633	<i>a. m.</i>			
12:40	1.19	.0039	.0027	10:00	.43	.0014	.0296	:56	3.64	.0119	.0663	3:40	.92	.0030	.0110
2:00	1.14	.0037	.0078	12:00	.41	.0013	.0324	2:10	4.10	.0134	.0692	6:00	.87	.0028	.0178
3:40	1.08	.0035	.0138	Feb. 17				:30	4.38	.0143	.0738	8:00	.87	.0028	.0234
5:20	1.02	.0033	.0195	<i>a. m.</i>				3:00	4.66	.0152	.0812	9:00	.83	.0027	.0262
7:40	.97	.0032	.0270	1:00	.38	.0012	.0012	:20	4.80	.0157	.0863	10:20	.87	.0028	.0299
9:40	.92	.0030	.0332	2:20	.36	.0012	.0028	:40	4.98	.0163	.0916	11:20	.83	.0027	.0327
<i>p. m.</i>				4:40	.34	.0011	.0056	4:00	5.16	.0169	.0971	<i>p. m.</i>			
1:30	.87	.0028	.0443	6:00	.32	.0010	.0069	:25	5.53	.0181	.1044	1:00	.80	.0026	.0370
6:00	.83	.0027	.0569	8:30	.32	.0010	.0094	:40	5.53	.0181	.1089	3:20	.83	.0027	.0431
7:50	.80	.0026	.0617	9:30	.34	.0011	.0104	5:00	5.71	.0187	.1150	5:00	.83	.0027	.0476
8:10	.76	.0025	.0626	11:10	.36	.0012	.0124	:30	5.53	.0181	.1242	7:40	.80	.0026	.0545
:50	.70	.0023	.0642	<i>p. m.</i>				6:00	5.35	.0175	.1331	10:00	.76	.0025	.0606
9:20	.63	.0021	.0653	12:50	.36	.0012	.0144	:40	4.80	.0157	.1442	12:00	.73	.0024	.0654
:45	.56	.0018	.0661	2:00	.41	.0013	.0158	7:00	4.66	.0152	.1493	Feb. 23			
10:00	.59	.0019	.0665	:40	.45	.0015	.0167	:20	4.52	.0148	.1543	<i>a. m.</i>			
:10	.59	.0019	.0668	:30	.48	.0016	.0172	:40	4.38	.0143	.1592	3:00	.70	.0023	.0072
:30	.56	.0018	.0674	3:00	.48	.0016	.0172	8:00	4.24	.0139	.1639	5:30	.66	.0022	.0127
:40	.63	.0020	.0677	:20	.50	.0016	.0177	:20	4.10	.0134	.1684	6:20	.63	.0020	.0145
11:30	.56	.0018	.0693	4:10	.56	.0018	.0191	:40	3.64	.0119	.1851	7:00	.59	.0019	.0158
12:00	.59	.0019	.0702	:30	.63	.0020	.0197	10:30	3.34	.0109	.1946	:40	.56	.0018	.0170
Feb. 14				:40	.66	.0022	.0201	:45	3.34	.0109	.1973	8:10	.59	.0019	.0179
<i>a. m.</i>				5:20	.70	.0023	.0216	11:00	3.22	.0105	.2000	:40	.66	.0022	.0189
1:00	.66	.0022	.0020	:40	.80	.0026	.0224	12:00	2.97	.0097	.2101	9:00	.73	.0024	.0197
:40	.73	.0024	.0035	6:20	.76	.0025	.0241	Feb. 20				:30	.76	.0025	.0209
2:00	.73	.0024	.0043	7:20	.70	.0023	.0265	<i>a. m.</i>				10:20	.66	.0022	.0229
:30	.70	.0023	.0055	8:00	.66	.0022	.0280	1:00	2.72	.0089	.0093	11:00	.63	.0020	.0243
:52	.70	.0023	.0063	9:00	.56	.0018	.0300	2:00	2.51	.0082	.0179	12:00	.66	.0022	.0264
3:40	.63	.0020	.0081	10:10	.50	.0016	.0320	3:00	2.41	.0079	.0259	<i>p. m.</i>			
4:00	.59	.0019	.0088	11:30	.48	.0016	.0341	4:00	2.32	.0076	.0337	1:10	.70	.0023	.0290
:20	.59	.0019	.0094	12:00	.48	.0016	.0349	5:20	2.14	.0070	.0434	2:20	.76	.0025	.0318
5:10	.63	.0020	.0111	Feb. 18				6:20	2.05	.0067	.0502	3:00	.83	.0027	.0335
:30	.66	.0022	.0118	<i>a. m.</i>				7:20	1.95	.0064	.0568	:40	.92	.0030	.0354
6:00	.70	.0023	.0129	12:40	.45	.0015	.0011	8:20	1.86	.0061	.0630	4:40	.97	.0032	.0385
:20	.66	.0022	.0159	2:00	.43	.0014	.0030	11:00	1.77	.0058	.0790	5:40	.92	.0030	.0416
7:00	.70	.0023	.0152	3:20	.41	.0013	.0077	12:00	1.77	.0058	.0848	7:00	.83	.0027	.0453
:20	.66	.0022	.0159	4:20	.43	.0014	.0091	<i>p. m.</i>				9:00	.76	.0025	.0505
8:20	.70	.0023	.0181	5:20	.45	.0015	.0119	1:20	1.86	.0061	.0928	11:00	.73	.0024	.0553
9:10	.73	.0024	.0201	6:20	.48	.0016	.0130	2:00	1.95	.0064	.0969	12:00	.73	.0024	.0577
:50	.76	.0025	.0217	7:20	.50	.0016	.0138	:50	2.05	.0067	.1024	Feb. 24			
12:00	.76	.0025	.0221	:30	.50	.0016	.0138	3:40	2.23	.0073	.1082	<i>a. m.</i>			
<i>p. m.</i>				10:00	.53	.0017	.0146	4:40	2.32	.0076	.1156	2:00	.70	.0023	.0048
1:00	.80	.0026	.0247	:20	.56	.0018	.0152	6:00	2.23	.0073	.1255	8:00	.70	.0023	.0186
:40	.80	.0026	.0264	11:10	.59	.0019	.0158	7:20	2.05	.0067	.1348	10:00	.66	.0022	.0230
2:20	.76	.0025	.0281	:40	.63	.0020	.0168	8:20	1.86	.0061	.1412	<i>p. m.</i>			
3:30	.73	.0024	.0309	:25	.66	.0022	.0173	10:10	1.69	.0055	.1518	1:00	.70	.0023	.0296
:50	.70	.0023	.0353	:40	.70	.0023	.0179	12:00	1.54	.0050	.1613	2:30	.70	.0023	.0330
6:40	.66	.0022	.0382	12:00	.76	.0025	.0187	Feb. 21				5:00	.73	.0024	.0390
8:20	.63	.0020	.0417	<i>p. m.</i>				<i>a. m.</i>				6:00	.73	.0024	.0414
10:00	.59	.0019	.0450	12:20	.83	.0027	.0196	1:00	1.47	.0048	.0049	10:00	.70	.0023	.0510
12:00	.56	.0018	.0486	:40	.92	.0030	.0205	2:00	1.40	.0046	.0096	12:00	.66	.0022	.0554



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Feb. 25				Feb. 29				Mar. 2				Mar. 3			
<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
1:20-----	0.63	0.0020	0.0028	4:20-----	0.66	0.0022	0.0236	7:20-----	9.47	0.0310	0.2215	6:32-----	15.1	0.0494	0.6981
3:00-----	.59	.0019	.0061	5:00-----	.70	.0023	.0251	:40-----	8.67	.0284	.2314	:40-----	15.4	.0504	.7026
4:20-----	.56	.0018	.0085	:10-----	.70	.0023	.0255	8:00-----	7.90	.0258	.2404	:55-----	15.8	.0517	.7156
5:30-----	.53	.0017	.0106	:20-----	.76	.0025	.0259	:30-----	7.66	.0251	.2531	7:20-----	15.8	.0517	.7371
6:00-----	.50	.0016	.0114	6:00-----	.76	.0025	.0276	:44-----	7.43	.0243	.2589	:40-----	16.7	.0546	.7540
7:00-----	.50	.0016	.0130	7:20-----	.73	.0024	.0308	9:00-----	7.66	.0251	.2655	:50-----	17.1	.0560	.7648
8:20-----	.48	.0016	.0151	8:20-----	.70	.0023	.0332	:10-----	8.42	.0276	.2699	8:00-----	17.1	.0560	.7733
:50-----	.50	.0016	.0159	10:20-----	.63	.0020	.0376	:20-----	10.6	.0347	.2751	:10-----	15.4	.0504	.7822
9:05-----	.53	.0017	.0163	12:00-----	.59	.0019	.0409	:30-----	14.0	.0458	.2818	:20-----	14.0	.0458	.7902
:20-----	.59	.0019	.0167					:40-----	17.6	.0576	.2904	:40-----	11.9	.0389	.8043
:30-----	.63	.0020	.0170	Mar. 1				:57-----	19.8	.0648	.3077	9:00-----	10.0	.0327	.8162
:55-----	.63	.0020	.0178	<i>a. m.</i>				10:00-----	19.3	.0632	.3109	:20-----	9.19	.0301	.8267
10:10-----	.59	.0019	.0183	1:00-----	.56	.0018	.0018	:20-----	16.7	.0546	.3305	:40-----	9.19	.0301	.8367
:40-----	.63	.0020	.0193	2:30-----	.53	.0017	.0045	:40-----	14.4	.0471	.3474	:50-----	10.0	.0327	.8419
11:00-----	.59	.0019	.0200	4:20-----	.50	.0016	.0074	:50-----	13.6	.0445	.3550	10:00-----	10.3	.0337	.8474
:20-----	.56	.0018	.0206	8:00-----	.48	.0016	.0133	11:05-----	14.0	.0458	.3663	:05-----	10.6	.0347	.8502
<i>p. m.</i>								:10-----	14.7	.0481	.3702	:20-----	12.2	.0399	.8595
1:20-----	.56	.0018	.0242	<i>p. m.</i>				:20-----	18.0	.0589	.3791	:30-----	13.6	.0445	.8665
2:00-----	.56	.0018	.0254	12:40-----	.48	.0016	.0208	:30-----	20.5	.0671	.3896	:40-----	14.4	.0471	.8741
4:00-----	.53	.0017	.0290	1:00-----	.50	.0016	.0213	:50-----	22.3	.0730	.4013	11:00-----	15.1	.0494	.8902
9:00-----	.50	.0016	.0370	:30-----	.53	.0017	.0221	:53-----	23.2	.0759	.4137	:08-----	15.1	.0494	.8968
12:00-----	.50	.0016	.0418	:20-----	.63	.0020	.0230	12:00-----	24.9	.0815	.4176	:20-----	14.0	.0458	.9063
				:20-----	.70	.0023	.0237		25.5	.0835	.4272	:40-----	12.2	.0399	.9206
Feb. 26				:25-----	.92	.0030	.0239	Mar. 3				:50-----	11.9	.0389	.9272
<i>a. m.</i>				:30-----	1.08	.0035	.0242	<i>a. m.</i>				12:00-----	11.9	.0389	.9337
4:00-----	.48	.0016	.0064	:40-----	1.26	.0041	.0248	12:04-----	25.7	.0841	.0056	Mar. 4			
7:00-----	.45	.0015	.0112	3:00-----	1.62	.0053	.0264	:12-----	25.7	.0841	.0168	<i>a. m.</i>			
9:00-----	.45	.0015	.0142	:20-----	2.05	.0067	.0284	:20-----	25.5	.0835	.0280	12:20-----	10.9	.0357	.0124
10:10-----	.48	.0016	.0161	:30-----	2.41	.0079	.0296	:36-----	25.1	.0822	.0501	:40-----	10.0	.0327	.0238
11:00-----	.56	.0018	.0175	:40-----	2.61	.0085	.0310	:50-----	25.5	.0835	.0694	1:05-----	10.3	.0337	.0376
:40-----	.59	.0019	.0187	4:00-----	2.72	.0089	.0339	1:00-----	26.0	.0851	.0834	:32-----	11.2	.0366	.0534
12:00-----	.56	.0018	.0193	:40-----	2.72	.0089	.0398	:10-----	26.6	.0871	.0978	:40-----	10.9	.0357	.0582
<i>p. m.</i>				5:00-----	2.84	.0093	.0428	:24-----	26.6	.0871	.1181	2:00-----	10.0	.0327	.0696
12:30-----	.50	.0016	.0201	:10-----	2.84	.0093	.0444	:40-----	26.0	.0851	.1411	:20-----	9.19	.0301	.0801
:40-----	.50	.0016	.0204	:20-----	2.72	.0089	.0459	2:00-----	25.3	.0825	.1691	:40-----	8.42	.0276	.0897
1:10-----	.45	.0015	.0212	:40-----	2.51	.0082	.0488	:20-----	24.4	.0799	.1962	3:00-----	7.90	.0258	.0986
6:00-----	.43	.0014	.0280	6:00-----	2.32	.0076	.0514	:40-----	22.8	.0746	.2203	:20-----	7.43	.0243	.1069
10:00-----	.41	.0013	.0336	:20-----	2.14	.0070	.0538	3:00-----	20.5	.0671	.2439	:40-----	7.19	.0235	.1149
12:00-----	.41	.0013	.0362	:40-----	1.95	.0064	.0560	:20-----	17.6	.0576	.2647	4:00-----	6.72	.0220	.1225
				7:00-----	1.77	.0058	.0580	:40-----	15.4	.0504	.2827	:30-----	6.32	.0207	.1332
Feb. 27				:20-----	1.62	.0053	.0599	4:00-----	13.6	.0445	.2985	5:10-----	5.91	.0193	.1465
<i>a. m.</i>				8:00-----	1.47	.0048	.0632	:20-----	11.9	.0389	.3124	6:00-----	5.53	.0181	.1621
2:00-----	.41	.0013	.0026	:40-----	1.33	.0044	.0663	:40-----	10.6	.0347	.3247	7:00-----	5.16	.0169	.1796
6:30-----	.38	.0012	.0080	9:00-----	1.26	.0041	.0677	:50-----	9.75	.0319	.3358	8:00-----	4.98	.0163	.1962
9:30-----	.41	.0013	.0116	:40-----	1.14	.0037	.0703	:20-----	8.93	.0292	.3460	9:00-----	4.66	.0152	.2119
11:30-----	.43	.0014	.0144	11:10-----	.97	.0032	.0754	:40-----	8.42	.0276	.3555	:30-----	4.52	.0148	.2194
<i>p. m.</i>				12:00-----	.92	.0030	.0780	6:00-----	7.90	.0258	.3644	10:00-----	4.38	.0143	.2267
12:30-----	.43	.0014	.0158	Mar. 2				:20-----	7.66	.0251	.3729	11:00-----	4.24	.0139	.2408
2:00-----	.45	.0015	.0179	<i>a. m.</i>				7:00-----	7.19	.0235	.3891	12:00-----	3.95	.0129	.2542
3:00-----	.48	.0016	.0195	2:00-----	.87	.0028	.0058	:20-----	6.96	.0228	.3968				
7:00-----	.48	.0016	.0259	4:00-----	.83	.0027	.0114	8:00-----	6.72	.0220	.4117	<i>p. m.</i>			
10:00-----	.45	.0015	.0307	6:40-----	.80	.0026	.0183	9:00-----	6.52	.0213	.4333	1:00-----	3.80	.0124	.2668
12:00-----	.45	.0015	.0337	8:11-----	.80	.0026	.0222	:20-----	6.72	.0220	.4405	2:00-----	3.64	.0119	.2790
				:20-----	.80	.0026	.0226	:40-----	6.72	.0220	.4478	3:00-----	3.49	.0114	.2900
Feb. 28				9:00-----	.83	.0027	.0243	10:10-----	6.52	.0213	.4586	4:00-----	3.22	.0105	.3016
<i>a. m.</i>				:15-----	.87	.0028	.0250	:40-----	6.72	.0220	.4694	5:00-----	3.10	.0101	.3119
4:00-----	.43	.0014	.0056	:40-----	1.02	.0033	.0262	11:30-----	6.32	.0207	.4872	6:00-----	3.10	.0101	.3220
7:00-----	.41	.0013	.0098	:55-----	1.33	.0044	.0269	<i>p. m.</i>				7:10-----	2.97	.0097	.3336
9:40-----	.41	.0013	.0133	10:00-----	1.54	.0050	.0273	12:10-----	6.72	.0220	.5015	8:40-----	2.84	.0093	.3478
12:00-----	.43	.0014	.0166	:10-----	1.14	.0070	.0283	:40-----	6.72	.0220	.5125	10:00-----	2.72	.0089	.3599
<i>p. m.</i>				:20-----	2.51	.0082	.0296	1:00-----	6.52	.0213	.5197	12:00-----	2.61	.0085	.3773
1:00-----	.43	.0014	.0180	:40-----	3.34	.0109	.0312	:40-----	6.32	.0207	.5337	Mar. 5			
2:00-----	.45	.0015	.0194	11:00-----	4.52	.0148	.0355	:55-----	6.32	.0207	.5389	<i>a. m.</i>			
3:00-----	.48	.0016	.0210	:20-----	4.98	.0163	.0407	2:10-----	6.52	.0213	.5441	1:00-----	2.51	.0082	.0084
4:00-----	.50	.0016	.0226	:40-----	5.35	.0175	.0463	:20-----	6.72	.0220	.5477	3:40-----	2.32	.0076	.0295
:40-----	.50	.0016	.0237	:50-----	5.53	.0181	.0493	:40-----	7.66	.0251	.5556	5:20-----	2.23	.0073	.0418
5:40-----	.53	.0017	.0253	12:20-----	5.16	.0169	.0581	:50-----	7.90	.0258	.5598	6:40-----	2.14	.0070	.0514
7:00-----	.53	.0017	.0276	:40-----	4.98	.0163	.0636	4:00-----	7.43	.0243	.5892	8:00-----	2.05	.0067	.0605
9:00-----	.50	.0016	.0308	:20-----	4.66	.0152	.0792	:20-----	6.96	.0238	.5971	9:30-----	1.95	.0064	.0704
12:00-----	.48	.0016	.0356	1:00-----	4.66	.0152	.0995	:40-----	6.72	.0220	.6046	11:00-----	1.86	.0061	.0797
				:20-----	4.80	.0157	.1046	5:00-----	6.52	.0213	.6118	<i>p. m.</i>			
Feb. 29				3:00-----	4.66	.0152	.1095	:10-----	6.72	.0220	.6154	2:08-----	1.86	.0061	.0988
<i>a. m.</i>				:40-----	4.98	.0163	.1153	:15-----	7.19	.0235	.6173	:15-----	2.41	.0079	.0996
1:20-----	.45	.0015	.0021	:20-----	5.16	.0169	.1208	:22-----	9.19	.0301	.6195	:40-----	2.23	.0073	.1028
4:00-----	.43	.0014	.0058	:40-----	5.35	.0175	.1265	:23-----	11.6	.0380	.6211	:50-----	2.05	.0067	.1040
7:00-----	.41	.0013	.0100	:50-----	5.35	.0175	.1294	:24-----	14.4	.0471	.6218	3:10-----	1.86	.0061	.1061
12:00-----	.41	.0013	.0165	5:00-----	5.53	.0181	.1324	:25-----	17.6	.0576	.6227	4:20-----	1.77	.0053	.1131
<i>p. m.</i>				:05-----	5.71	.0187	.1339	:26-----	20.2	.0661	.6237	6:40-----	1.69	.0055	.1262
1:20-----	.43	.0015	.0021	:20-----	6.96	.0228	.1391	:28-----	22.3	.0730	.6290	8:40-----	1.62	.0053	.1370
4:00-----	.43	.0014	.0058	:30-----	9.47	.0310	.1436	:30-----	23.0	.0753	.6285	10:40-----	1.54	.0050	.1474
7:00-----	.41	.0013	.0100	:40-----	12.2	.0399	.1495	:32-----	23.7	.0776	.6310	12:00-----	1.47	.0048	.1539
12:00-----	.41	.0013	.0165	:50-----	14.4	.0471	.1567	:36-----	24.0	.0786	.6362				
<i>p. m.</i>				6:00-----	15.8	.0517	.1649	:40-----	24.0	.0786	.6414	Mar. 6			
1:20-----	.43	.0014	.0174	:08-----	16.2	.0530	.1719	:50-----	23.0	.0753	.6542	<i>a. m.</i>			
1:20-----	.45	.0015	.0183	:20-----	15.1	.0494	.1821	6:00-----	20.5	.0671	.6661	1:00-----	1.47	.0048	.0048
2:30-----	.50	.0016	.0202	:40-----	12.9	.0422	.1974	:							



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Mar. 6				Mar. 10				Mar. 13				Mar. 16			
a. m.				p. m.				p. m.				p. m.			
8:00-----	1.33	0.0044	0.0369	3:10-----	0.66	0.0022	0.0251	2:40-----	0.48	0.0016	0.0185	10:00-----	0.34	0.0011	0.0262
9:40-----	1.26	.0041	.0439	4:00-----	.63	.0020	.0261	5:50-----	.50	.0016	.0188	11:40-----	.32	.0010	.0269
12:00-----	1.40	.0046	.0542	4:30-----	.59	.0019	.0281	4:00-----	.50	.0016	.0207	12:00-----	.30	.0010	.0279
p. m.				5:10-----	.56	.0018	.0293	5:30-----	.53	.0017	.0231				
3:00-----	1.33	.0044	.0677	6:00-----	.53	.0017	.0308	7:00-----	.50	.0016	.0255				
4:00-----	1.33	.0044	.0721	7:10-----	.50	.0016	.0327	9:00-----	.48	.0016	.0287	Mar. 17			
6:00-----	1.26	.0041	.0805	8:20-----	.48	.0016	.0346	12:00-----	.45	.0015	.0335	a. m.			
7:40-----	1.26	.0041	.0832	9:00-----	.45	.0015	.0354					12:20-----	.30	.0010	.0003
8:00-----	1.19	.0039	.0885	9:00-----	.43	.0014	.0356	Mar. 14				1:00-----	.32	.0010	.0010
9:40-----	1.14	.0037	.0948	12:00-----	.41	.0013	.0361	a. m.				2:00-----	.36	.0012	.0021
10:20-----	1.14	.0037	.0973	11:20-----	.36	.0012	.0385	1:40-----	.45	.0015	.0025	3:20-----	.38	.0012	.0037
12:00-----	1.08	.0035	.1033	12:00-----	.36	.0012	.0391	3:00-----	.43	.0014	.0054	4:40-----	.41	.0013	.0053
Mar. 7				Mar. 11				4:00-----	.45	.0015	.0068	5:20-----	.41	.0013	.0062
a. m.				a. m.				5:20-----	.45	.0015	.0088	7:00-----	.39	.0012	.0082
2:20-----	1.02	.0033	.0079	6:40-----	.36	.0012	.0080	7:00-----	.43	.0014	.0111	8:20-----	.41	.0013	.0098
3:40-----	1.02	.0033	.0123	8:00-----	.38	.0013	.0096	8:20-----	.43	.0014	.0130	9:40-----	.41	.0013	.0102
6:40-----	.97	.0032	.0219	9:00-----	.41	.0013	.0105	10:20-----	.41	.0013	.0158	10:00-----	.36	.0012	.0118
9:40-----	.97	.0032	.0315	10:00-----	.45	.0015	.0110					11:40-----	.41	.0013	.0138
11:00-----	1.02	.0033	.0358	12:00-----	.48	.0016	.0115	p. m.				12:00-----	.43	.0014	.0143
12:00-----	1.08	.0035	.0392	10:00-----	.50	.0016	.0123	12:20-----	.41	.0013	.0184				
p. m.				12:00-----	.53	.0017	.0126	2:00-----	.43	.0014	.0207	p. m.			
1:40-----	1.08	.0035	.0450	12:00-----	.56	.0018	.0130	6:00-----	.43	.0014	.0263	12:20-----	.48	.0016	.0148
3:00-----	1.02	.0033	.0495	12:00-----	.63	.0020	.0131	8:20-----	.41	.0013	.0296	1:00-----	.56	.0018	.0156
4:00-----	1.02	.0033	.0517	12:00-----	.66	.0022	.0142	10:20-----	.38	.0013	.0322	1:00-----	.63	.0020	.0159
5:40-----	.97	.0032	.0581	11:00-----	.63	.0020	.0145	12:00-----	.36	.0012	.0342	1:00-----	.70	.0023	.0161
8:20-----	.92	.0030	.0659	12:00-----	.56	.0018	.0147	Mar. 15				1:00-----	1.02	.0033	.0163
12:00-----	.87	.0028	.0765	12:00-----	.50	.0016	.0151	a. m.				1:00-----	1.26	.0041	.0164
Mar. 8				12:00-----	.48	.0016	.0156	1:30-----	.36	.0012	.0018	2:00-----	1.40	.0046	.0170
a. m.				12:00-----	.45	.0015	.0161	2:20-----	.34	.0011	.0028	3:00-----	1.47	.0048	.0178
1:00-----	.87	.0028	.0028	p. m.				3:20-----	.32	.0010	.0033	4:00-----	1.54	.0050	.0202
5:00-----	.83	.0027	.0140	12:30-----	.45	.0015	.0169	4:10-----	.28	.0009	.0038	5:00-----	1.62	.0053	.0226
6:40-----	.83	.0027	.0185	1:00-----	.48	.0016	.0177	5:00-----	.28	.0009	.0046	5:00-----	2.05	.0067	.0238
11:00-----	.80	.0026	.0298	1:40-----	.50	.0016	.0188	7:00-----	.30	.0010	.0054	5:20-----	2.23	.0073	.0247
p. m.				2:20-----	.53	.0017	.0199	8:00-----	.32	.0010	.0074	5:20-----	2.23	.0073	.0252
3:00-----	.80	.0026	.0402	3:00-----	.53	.0017	.0210	9:00-----	.36	.0012	.0084	5:20-----	2.41	.0079	.0335
7:00-----	.76	.0025	.0506	4:00-----	.50	.0016	.0221	10:00-----	.36	.0012	.0095	5:20-----	2.51	.0082	.0348
11:00-----	.73	.0024	.0602	4:40-----	.48	.0016	.0237	11:00-----	.36	.0012	.0101	5:20-----	2.41	.0079	.0361
12:00-----	.73	.0024	.0626	5:40-----	.45	.0015	.0253	11:30-----	.41	.0013	.0117	5:20-----	2.23	.0073	.0386
Mar. 9				6:40-----	.43	.0014	.0267	p. m.				5:00-----	2.14	.0070	.0410
a. m.				7:20-----	.41	.0013	.0276	4:00-----	.36	.0012	.0125	6:00-----	1.95	.0064	.0432
3:00-----	.73	.0024	.0072	8:00-----	.34	.0011	.0284	6:40-----	.34	.0011	.0211	6:00-----	1.69	.0055	.0472
6:20-----	.70	.0023	.0152	8:00-----	.28	.0009	.0288	7:45-----	.32	.0010	.0222	6:00-----	1.54	.0050	.0507
7:40-----	.70	.0023	.0183	9:00-----	.28	.0009	.0293	8:05-----	.28	.0009	.0225	7:00-----	1.47	.0048	.0523
9:20-----	.66	.0022	.0220	10:00-----	.26	.0008	.0297	9:30-----	.24	.0008	.0229	8:00-----	1.26	.0041	.0567
10:40-----	.66	.0022	.0249	10:20-----	.26	.0008	.0304	10:00-----	.23	.0007	.0233	9:00-----	1.14	.0037	.0593
p. m.				12:00-----	.28	.0009	.0317	11:00-----	.24	.0008	.0238	10:00-----	1.02	.0033	.0640
1:20-----	.70	.0023	.0308	Mar. 12				11:30-----	.24	.0008	.0241	11:00-----	.92	.0030	.0672
3:00-----	.66	.0022	.0345	a. m.				12:00-----	.26	.0008	.0244	12:00-----	.87	.0028	.0701
4:00-----	.66	.0022	.0367	1:20-----	.30	.0010	.0013	10:00-----	.28	.0009	.0244	Mar. 18			
6:30-----	.63	.0020	.0419	3:20-----	.30	.0010	.0033	11:00-----	.30	.0010	.0251	a. m.			
8:00-----	.59	.0019	.0449	6:00-----	.28	.0009	.0060	12:00-----	.32	.0010	.0261	1:00-----	.83	.0027	.0028
9:00-----	.56	.0018	.0467	8:00-----	.28	.0009	.0078	Mar. 16				2:20-----	.80	.0026	.0063
10:40-----	.53	.0017	.0497	9:00-----	.30	.0010	.0085	a. m.				3:40-----	.76	.0025	.0098
11:10-----	.50	.0016	.0505	10:00-----	.32	.0010	.0088	2:00-----	.32	.0010	.0020	5:20-----	.73	.0024	.0138
12:00-----	.48	.0016	.0510	12:00-----	.36	.0012	.0092	3:00-----	.28	.0009	.0030	7:00-----	.70	.0023	.0178
Mar. 10				12:00-----	.36	.0012	.0124	4:00-----	.26	.0008	.0031	9:00-----	.70	.0023	.0224
a. m.				p. m.				5:00-----	.24	.0008	.0036	10:00-----	.73	.0024	.0248
1:00-----	.48	.0016	.0016	1:20-----	.41	.0013	.0105	5:30-----	.21	.0007	.0041	11:00-----	.83	.0027	.0274
2:00-----	.50	.0016	.0032	11:00-----	.36	.0012	.0112	6:00-----	.18	.0006	.0044	12:00-----	.92	.0030	.0283
4:00-----	.53	.0017	.0043	12:00-----	.36	.0012	.0124	6:20-----	.18	.0006	.0052				
3:20-----	.56	.0018	.0055	p. m.				7:00-----	.23	.0007	.0056	1:00-----	.92	.0030	.0336
4:00-----	.56	.0018	.0061	1:20-----	.41	.0013	.0140	8:00-----	.24	.0008	.0058	2:00-----	.92	.0030	.0396
4:20-----	.53	.0017	.0073	2:00-----	.43	.0014	.0149	9:00-----	.28	.0009	.0063	3:00-----	.87	.0028	.0425
5:40-----	.50	.0016	.0089	3:00-----	.45	.0015	.0163	10:00-----	.32	.0010	.0066	4:00-----	.83	.0027	.0468
6:20-----	.48	.0016	.0100	4:30-----	.45	.0015	.0183	11:00-----	.38	.0012	.0070	5:00-----	.87	.0028	.0476
7:00-----	.45	.0015	.0111	5:00-----	.43	.0014	.0192	12:00-----	.43	.0014	.0073	6:00-----	.97	.0032	.0481
7:40-----	.45	.0015	.0121	6:00-----	.41	.0013	.0206					7:00-----	1.02	.0033	.0486
8:00-----	.48	.0016	.0126	7:00-----	.38	.0012	.0218	4:00-----	.50	.0016	.0085	9:00-----	1.14	.0037	.0489
9:10-----	.56	.0018	.0145	9:00-----	.36	.0012	.0242	5:00-----	.56	.0018	.0096	10:00-----	1.40	.0046	.0493
10:40-----	.50	.0016	.0173	12:00-----	.36	.0012	.0278	6:00-----	.50	.0016	.0104	11:00-----	1.69	.0055	.0495
12:00-----	.50	.0016	.0194	Mar. 13				7:00-----	.50	.0016	.0128	12:00-----	1.95	.0064	.0497
p. m.				a. m.				8:00-----	.45	.0015	.0137	1:00-----	2.23	.0073	.0504
1:00-----	.53	.0017	.0210	5:30-----	.36	.0012	.0066	9:00-----	.41	.0013	.0141	2:00-----	2.41	.0079	.0505
4:00-----	.56	.0018	.0222	6:40-----	.38	.0013	.0080	10:00-----	.38	.0012	.0153	3:00-----	2.97	.0097	.0506
2:20-----	.59	.0019	.0234	12:00-----	.38	.0013	.0149	11:00-----	.41	.0013	.0165	4:00-----	3.64	.0119	.0508
4:00-----	.63	.0020	.0241	p. m.				12:00-----	.43	.0014	.0174	5:00-----	4.80	.0157	.0510
				12:20-----	.41	.0013	.0153					6:00-----	6.72	.0220	.0516
				1:00-----	.41	.0013	.0159	5:00-----	.45	.0015	.0188	7:00-----	8.16	.0267	.0524
				2:00-----	.45	.0015	.0175	6:00-----	.50	.0016	.0204	8:00-----	10.3	.0337	.0534
				4:00-----	.48	.0016	.0180	7:00-----	.50	.0016	.0209	9:00-----	12.2	.0399	.0546
								8:20-----	.45	.0015	.0241	10:00-----	14.0	.0458	.0560
								9:00-----	.43	.0014	.0248	11:00-----	15.1	.0494	.0576
								10:00-----	.41	.0013	.0250	12:00-----	17.6	.0576	.0612
								12:00-----	.36	.0012	.0254		15.1	.0494	.0630
													12.9	.0422	.0645



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time				Instantaneous rate of run-off				Accumulated run-off by days				Date and time				Instantaneous rate of run-off				Accumulated run-off by days				Date and time				Instantaneous rate of run-off				Accumulated run-off by days																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Mar. 18				Mar. 21				Mar. 25				Mar. 29				Mar. 30				Mar. 19				Mar. 22				Mar. 26				Mar. 27				Mar. 20				Mar. 23				Mar. 24				Mar. 28				Mar. 29				Mar. 31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>a. m.</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>				<i>Second-feet</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>				<i>Inches per hour</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Mar. 31				Apr. 7				Apr. 12				Apr. 17			
a. m.				a. m.				a. m.				p. m.			
11:00-----	1.47	0.0048	0.0599	7:00-----	0.43	0.0014	0.0098	2:40-----	2.72	0.0089	0.0196	1:30-----	0.83	0.0027	0.0399
12:00-----	1.40	.0046	.0646	11:00-----	.41	.0013	.0154	3:20-----	2.84	.0093	.0257	2:20-----	.92	.0030	.0422
p. m.				p. m.				4:00-----	2.97	.0097	.0320	3:00-----	.97	.0032	.0443
2:00-----	1.33	.0044	.0736	2:40-----	.41	.0013	.0202	5:40-----	3.10	.0101	.0485	4:00-----	1.08	.0035	.0477
3:20-----	1.26	.0041	.0792	3:40-----	.41	.0013	.0215	6:40-----	3.10	.0101	.0586	.40-----	1.08	.0035	.0500
6:00-----	1.19	.0039	.0899	6:00-----	.43	.0014	.0248	8:30-----	2.97	.0097	.0768	6:00-----	1.02	.0033	.0543
10:00-----	1.14	.0037	.1051	.50-----	.45	.0015	.0260	10:00-----	2.84	.0093	.0910	7:00-----	.97	.0032	.0577
12:00-----	1.08	.0035	.1123	7:40-----	.48	.0016	.0273	11:30-----	2.72	.0089	.1046	.40-----	.97	.0032	.0598
Apr. 1				8:20-----	.50	.0016	.0284	p. m.				8:00-----	1.02	.0033	.0609
a. m.				9:40-----	.53	.0017	.0305	1:40-----	2.61	.0085	.1235	.40-----	1.14	.0037	.0632
1:00-----	1.08	.0035	.0035	11:20-----	.56	.0018	.0335	3:20-----	2.61	.0085	.1377	9:00-----	1.26	.0041	.0645
4:00-----	1.02	.0033	.0137	12:00-----	.56	.0018	.0347	6:00-----	2.51	.0082	.1601	.10-----	1.33	.0044	.0652
7:00-----	.97	.0032	.0233	Apr. 8				8:00-----	2.41	.0079	.1761	.40-----	1.26	.0041	.0673
9:00-----	.92	.0030	.0295	a. m.				9:40-----	2.32	.0076	.1891	10:20-----	1.19	.0039	.0700
11:40-----	.92	.0030	.0375	12:40-----	.59	.0019	.0012	11:00-----	2.23	.0073	.1999	11:20-----	1.14	.0037	.0738
p. m.				2:00-----	.63	.0020	.0039	12:00-----	2.23	.0073	.2063	12:00-----	1.14	.0037	.0763
1:30-----	.87	.0028	.0428	4:40-----	.66	.0022	.0095	Apr. 13				Apr. 18			
3:20-----	.83	.0027	.0479	5:30-----	.70	.0023	.0113	a. m.				a. m.			
12:00-----	.83	.0027	.0713	7:00-----	.73	.0024	.0149	1:00-----	2.23	.0073	.0073	2:00-----	1.08	.0035	.0072
Apr. 2				11:00-----	.76	.0025	.0245	2:40-----	2.14	.0070	.0193	3:20-----	1.14	.0037	.0120
a. m.				p. m.				3:40-----	2.05	.0067	.0261	.40-----	1.19	.0039	.0133
2:30-----	.83	.0027	.0068	1:14-----	.76	.0025	.0301	6:00-----	1.95	.0064	.0415	4:30-----	1.19	.0039	.0165
5:00-----	.80	.0026	.0133	5:00-----	.80	.0026	.0399	8:00-----	1.86	.0061	.0539	5:00-----	1.26	.0041	.0185
8:00-----	.80	.0026	.0211	10:00-----	.83	.0027	.0529	p. m.				.30-----	1.33	.0044	.0206
10:00-----	.76	.0025	.0263	12:00-----	.83	.0027	.0583	3:00-----	1.86	.0061	.0966	.50-----	1.33	.0044	.0221
p. m.				Apr. 9				5:00-----	1.95	.0064	.1090	6:40-----	1.26	.0041	.0256
2:00-----	.76	.0025	.0363	a. m.				6:00-----	1.95	.0064	.1154	7:30-----	1.19	.0039	.0289
3:40-----	.73	.0024	.0403	12:20-----	.83	.0027	.0009	8:20-----	1.86	.0061	.1299	9:00-----	1.14	.0037	.0346
8:00-----	.70	.0023	.0507	1:00-----	.80	.0026	.0026	10:30-----	1.77	.0058	.1429	11:00-----	1.08	.0035	.0418
12:00-----	.70	.0023	.0599	2:00-----	.76	.0025	.0052	12:00-----	1.69	.0055	.1513	p. m.			
Apr. 3				3:00-----	.76	.0025	.0077	Apr. 14				1:00-----	1.02	.0033	.0486
a. m.				5:30-----	.73	.0024	.0137	2:20-----	1.62	.0053	.0126	2:20-----	.97	.0032	.0529
9:20-----	.70	.0023	.0215	8:00-----	.70	.0023	.0197	5:00-----	1.54	.0050	.0265	4:00-----	.92	.0030	.0581
p. m.				9:40-----	.66	.0022	.0234	7:30-----	1.47	.0048	.0387	7:00-----	.87	.0028	.0668
12:10-----	.66	.0022	.0277	11:40-----	.63	.0020	.0276	10:20-----	1.40	.0046	.0520	9:00-----	.87	.0028	.0724
1:30-----	.70	.0023	.0306	p. m.				11:20-----	1.40	.0046	.0566	12:00-----	.83	.0027	.0808
3:00-----	.76	.0025	.0342	2:00-----	.59	.0019	.0323	a. m.				Apr. 19			
4:20-----	.76	.0025	.0375	5:00-----	.56	.0018	.0377	2:00-----	1.47	.0048	.0691	a. m.			
8:00-----	.80	.0026	.0470	8:00-----	.56	.0018	.0431	4:00-----	1.47	.0048	.0787	4:30-----	.83	.0027	.0122
12:00-----	.83	.0027	.0574	12:00-----	.53	.0017	.0503	8:00-----	1.40	.0046	.0975	.52-----	.83	.0027	.0132
Apr. 4				Apr. 10				12:00-----	1.33	.0044	.1155	6:00-----	.87	.0028	.0164
a. m.				a. m.				Apr. 15				.50-----	.92	.0030	.0188
2:30-----	.83	.0027	.0068	5:00-----	.53	.0017	.0085	2:20-----	1.26	.0041	.0098	7:30-----	.97	.0032	.0209
5:00-----	.80	.0026	.0133	9:00-----	.50	.0016	.0149	4:20-----	1.26	.0041	.0180	8:00-----	.97	.0032	.0225
7:30-----	.76	.0025	.0198	11:00-----	.50	.0016	.0181	8:00-----	1.19	.0039	.0327	9:00-----	.92	.0030	.0256
9:30-----	.73	.0024	.0246	p. m.				p. m.				10:00-----	.87	.0028	.0285
11:00-----	.73	.0024	.0282	3:00-----	.48	.0016	.0245	2:00-----	1.19	.0039	.0717	.40-----	.87	.0028	.0304
p. m.				6:30-----	.45	.0015	.0301	4:00-----	1.14	.0037	.0793	11:20-----	.92	.0030	.0323
12:30-----	.70	.0023	.0318	12:00-----	.45	.0015	.0383	8:00-----	1.14	.0037	.0818	.50-----	.97	.0032	.0339
2:00-----	.63	.0020	.0351	Apr. 11				10:00-----	1.19	.0039	.0869	12:00-----	1.02	.0033	.0344
4:00-----	.59	.0019	.0391	p. m.				12:00-----	1.26	.0041	.0896	p. m.			
12:00-----	.59	.0019	.0543	12:42-----	.45	.0015	.0190	Apr. 16				12:20-----	1.14	.0037	.0356
Apr. 5				1:40-----	.45	.0015	.0205	a. m.				.40-----	1.40	.0046	.0370
a. m.				3:20-----	.48	.0016	.0232	2:00-----	1.47	.0048	.0094	1:00-----	1.86	.0061	.0388
4:00-----	.63	.0020	.0080	4:20-----	.50	.0016	.0248	4:00-----	1.40	.0046	.0188	.20-----	2.05	.0067	.0409
5:20-----	.63	.0020	.0107	6:00-----	.53	.0017	.0275	5:40-----	1.40	.0046	.0265	.30-----	2.14	.0070	.0420
7:40-----	.59	.0019	.0154	7:20-----	.56	.0018	.0299	8:00-----	1.33	.0044	.0370	.40-----	2.23	.0073	.0480
10:20-----	.56	.0018	.0202	8:20-----	.59	.0019	.0317	10:20-----	1.26	.0041	.0468	.50-----	2.23	.0073	.0565
p. m.				9:00-----	.63	.0020	.0330	p. m.				4:20-----	2.32	.0076	.0627
12:20-----	.53	.0017	.0238	.30-----	.66	.0022	.0340	1:00-----	1.19	.0039	.0575	.50-----	2.41	.0079	.0679
1:40-----	.53	.0017	.0261	10:00-----	.70	.0023	.0351	4:30-----	1.14	.0037	.0708	.20-----	2.51	.0082	.0706
4:00-----	.50	.0016	.0298	.20-----	.76	.0025	.0359	7:30-----	1.08	.0035	.0816	.40-----	2.61	.0085	.0734
6:00-----	.48	.0016	.0330	.40-----	.83	.0027	.0368	10:00-----	1.02	.0033	.0901	6:00-----	2.84	.0093	.0764
11:00-----	.45	.0015	.0410	11:00-----	.92	.0030	.0377	12:00-----	.97	.0032	.0965	.20-----	3.10	.0101	.0796
12:00-----	.45	.0015	.0425	.20-----	.83	.0027	.0388	Apr. 17				7:00-----	3.49	.0114	.0868
Apr. 6				12:00-----	1.54	.0050	.0417	a. m.				.20-----	3.80	.0124	.0908
a. m.				Apr. 12				2:00-----	.97	.0032	.0064	.40-----	4.10	.0134	.0951
10:00-----	.45	.0015	.0150	a. m.				4:00-----	.92	.0030	.0126	.50-----	4.38	.0143	.0997
p. m.				12:20-----	1.77	.0058	.0018	6:00-----	.92	.0030	.0186	.38-----	4.66	.0152	.1046
3:00-----	.43	.0014	.0220	.30-----	1.86	.0061	.0028	8:00-----	.87	.0028	.0273	.40-----	4.98	.0163	.1093
12:00-----	.43	.0014	.0346	.40-----	1.95	.0064	.0038	10:00-----	.87	.0028	.0329	.50-----	5.16	.0169	.1099
				1:00-----	2.23	.0073	.0061	11:00-----	.87	.0028	.0399	.20-----	6.11	.0200	.1130
				.20-----	2.32	.0076	.0086					.40-----	7.43	.0243	.1167
				.40-----	2.41	.0079	.0112					.50-----	9.19	.0301	.1212
				2:00-----	2.51	.0082	.0139					.20-----	11.2	.0366	.1268
				.20-----	2.61	.0085	.0167					.40-----	13.6	.0445	.1336
												.50-----	15.8	.0517	.1416
												.20-----	18.0	.0589	.1508
												.40-----	19.3	.0632	.1610
												.50-----	21.5	.0704	.1833
												.20-----	23.2	.0759	.2077
												.40-----	24.2	.0792	.2336
												.50-----	25.1	.0822	.2605
												.20-----	25.7	.0841	.2882
												.40-----	26.2	.0858	.3165



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
Apr. 20					Apr. 22					May 1					May 6				
a. m.					p. m.					p. m.					p. m.				
12:20-----	26.2	0.0858	0.0286		1:30-----	2.14	0.0070	0.1068		12:20-----	0.87	0.0028	0.0368		8:20-----	4.52	0.0148	0.0318	
:40-----	25.3	.0828	.0567		2:45-----	2.05	.0067	.1153		3:20-----	.83	.0027	.0452		:30-----	3.80	.0124	.0341	
1:00-----	24.2	.0792	.0837		3:00-----	2.14	.0070	.1170		6:30-----	.80	.0026	.0534		:40-----	3.10	.0101	.0360	
:20-----	22.5	.0736	.1092		:40-----	2.23	.0073	.1218		9:30-----	.76	.0025	.0612		:50-----	2.72	.0089	.0376	
:40-----	20.2	.0661	.1325		4:20-----	2.14	.0070	.1266		12:00-----	.73	.0024	.0672		9:00-----	2.41	.0079	.0390	
2:00-----	17.1	.0560	.1528		5:00-----	2.05	.0067	.1311							:20-----	2.05	.0067	.0414	
:20-----	15.1	.0494	.1704		6:20-----	1.95	.0064	.1399							:40-----	1.77	.0058	.0435	
:40-----	14.4	.0471	.1865		12:00-----	1.95	.0064	.1762							10:00-----	1.62	.0053	.0454	
3:00-----	13.3	.0435	.2016							a. m.					:20-----	1.54	.0050	.0471	
:20-----	12.6	.0412	.2157		Apr. 23					3:00-----	.69	.0023	.0072		:40-----	1.47	.0048	.0487	
:40-----	11.9	.0389	.2290		a. m.					6:00-----	.66	.0022	.0138		11:00-----	1.33	.0044	.0502	
4:00-----	10.9	.0357	.2414		1:00-----	1.95	.0064	.0064		9:00-----	.63	.0020	.0201		:20-----	1.26	.0041	.0516	
:20-----	10.3	.0337	.2550		4:20-----	1.86	.0061	.0271		12:00-----	.59	.0019	.0261		:40-----	1.19	.0039	.0529	
:40-----	9.75	.0319	.2639		5:40-----	1.86	.0061	.0352							12:00-----	1.14	.0037	.0542	
5:00-----	9.19	.0301	.2742		8:20-----	1.77	.0058	.0512		p. m.									
:20-----	8.67	.0284	.2839		12:00-----	1.77	.0058	.0725		2:30-----	.56	.0018	.0306						
:40-----	8.42	.0276	.2932							5:00-----	.53	.0017	.0351		May 7				
6:00-----	8.16	.0267	.3023							8:00-----	.50	.0016	.0399		a. m.				
:30-----	7.90	.0258	.3154							10:00-----	.48	.0016	.0431		12:20-----	1.08	.0035	.0012	
:40-----	8.67	.0284	.3199							12:00-----	.45	.0015	.0463		:40-----	1.02	.0033	.0023	
:50-----	10.6	.0347	.3252												1:40-----	.92	.0030	.0055	
7:00-----	12.9	.0422	.3316							May 3					2:20-----	.87	.0028	.0074	
:10-----	15.1	.0494	.3392							a. m.					3:00-----	.83	.0027	.0093	
:20-----	17.6	.0576	.3481		Apr. 24					3:30-----	.43	.0014	.0049		4:00-----	.80	.0026	.0119	
:30-----	18.9	.0618	.3581		a. m.					6:00-----	.41	.0013	.0084		:50-----	.76	.0025	.0141	
:40-----	19.8	.0648	.3687		11:00-----	1.62	.0053	.0583		9:00-----	.38	.0012	.0120		5:40-----	.73	.0024	.0161	
:55-----	20.8	.0681	.3853							11:20-----	.36	.0012	.0148		6:30-----	.70	.0023	.0181	
8:05-----	21.2	.0694	.3968		p. m.										7:20-----	.66	.0022	.0199	
:20-----	20.5	.0671	.4138		3:00-----	1.54	.0050	.0791		3:00-----	.34	.0011	.0192		8:20-----	.63	.0020	.0220	
:40-----	18.4	.0602	.4350		12:00-----	1.54	.0050	.1241		6:00-----	.34	.0011	.0225		10:00-----	.56	.0018	.0252	
9:00-----	16.2	.0530	.4539							11:00-----	.32	.0010	.0275		11:36-----	.50	.0016	.0279	
:12-----	14.7	.0481	.4640		Apr. 25					12:00-----	.32	.0010	.0285		:56-----	.56	.0018	.0285	
:20-----	14.4	.0471	.4703		a. m.														
:40-----	13.3	.0435	.4854		6:00-----	1.54	.0050	.0300		May 4					12:14-----	.56	.0018	.0290	
10:00-----	12.6	.0412	.4995		11:00-----	1.47	.0048	.0545		a. m.					:30-----	.59	.0019	.0295	
:20-----	11.9	.0389	.5128							5:40-----	.32	.0010	.0057		:50-----	.56	.0018	.0301	
:40-----	11.2	.0366	.5254		p. m.					9:00-----	.30	.0010	.0090		1:20-----	.50	.0016	.0309	
11:00-----	10.9	.0357	.5375		2:40-----	1.40	.0046	.0717		11:40-----	.28	.0009	.0117		:40-----	.48	.0016	.0314	
:30-----	10.3	.0337	.5549		12:00-----	1.40	.0046	.1146							2:00-----	.53	.0017	.0319	
p. m.					Apr. 26										:20-----	.59	.0019	.0325	
12:10-----	9.75	.0319	.5768		a. m.					p. m.					:40-----	.63	.0020	.0332	
:40-----	9.47	.0310	.5925		5:00-----	1.33	.0044	.0225		2:40-----	.26	.0008	.0143		3:00-----	.63	.0020	.0339	
1:00-----	8.93	.0292	.6025		8:00-----	1.26	.0041	.0351		4:20-----	.24	.0008	.0157		:20-----	.53	.0017	.0345	
:30-----	8.67	.0284	.6169		12:00-----	1.19	.0039	.0511		8:00-----	.24	.0008	.0186		:40-----	.48	.0016	.0350	
2:00-----	8.42	.0276	.6309							12:00-----	.26	.0008	.0219		4:00-----	.45	.0015	.0355	
3:00-----	7.90	.0258	.6576												:20-----	.48	.0016	.0360	
:30-----	7.43	.0243	.6701							May 5					:40-----	.45	.0015	.0365	
4:00-----	7.19	.0235	.6821		p. m.					a. m.					5:20-----	.43	.0014	.0374	
:10-----	6.96	.0228	.6960		4:00-----	1.14	.0037	.0663		7:00-----	.26	.0008	.0060		7:00-----	.41	.0013	.0383	
5:00-----	6.72	.0220	.7047		12:00-----	1.14	.0037	.0959		10:30-----	.24	.0008	.0089		12:00-----	.41	.0013	.0448	
:50-----	6.32	.0207	.7225		Apr. 27														
6:40-----	5.91	.0193	.7392		a. m.					p. m.					May 8				
7:10-----	5.71	.0187	.7487		6:00-----	1.14	.0037	.0222		12:40-----	.23	.0007	.0105		a. m.				
8:20-----	5.53	.0181	.7702		11:00-----	1.08	.0035	.0402		3:00-----	.21	.0007	.0122		1:00-----	.41	.0013	.0013	
:40-----	5.53	.0181	.7762							5:00-----	.20	.0006	.0135		4:00-----	.38	.0012	.0049	
9:00-----	5.71	.0187	.7823		p. m.					7:00-----	.21	.0007	.0148		7:00-----	.38	.0012	.0085	
:30-----	5.71	.0187	.7917		2:00-----	1.02	.0033	.0504		9:20-----	.21	.0007	.0164		10:00-----	.36	.0012	.0121	
10:00-----	5.53	.0181	.8009		5:00-----	.97	.0032	.0600		12:00-----	.23	.0007	.0183		12:00-----	.34	.0011	.0145	
11:00-----	5.16	.0169	.8184		10:00-----	1.02	.0033	.0760											
12:00-----	4.80	.0157	.8347		12:00-----	1.02	.0033	.0826		May 6					p. m.				
Apr. 21					Apr. 28					a. m.					2:20-----	.32	.0010	.0168	
a. m.					a. m.					9:00-----	.23	.0007	.0066		4:00-----	.30	.0010	.0185	
1:00-----	4.66	.0152	.0154		9:00-----	1.02	.0033	.0297		12:00-----	.21	.0007	.0087		6:00-----	.30	.0010	.0205	
2:00-----	4.52	.0148	.0304												9:00-----	.32	.0010	.0235	
3:00-----	4.38	.0143	.0450		p. m.										12:00-----	.32	.0010	.0265	
4:00-----	4.24	.0139	.0591		12:40-----	.20	.0006	.0098											
5:00-----	4.10	.0134	.0727		3:00-----	.18	.0006	.0106							May 9				
6:20-----	3.95	.0129	.0903		5:20-----	.18	.0006	.0120							a. m.				
7:30-----	3.80	.0124	.1050		6:37-----	.20	.0006	.0128							3:00-----	.32	.0010	.0030	
9:00-----	3.64	.0119	.1233		:40-----	.20	.0006	.0135							7:20-----	.30	.0010	.0073	
10:20-----	3.49	.0114	.1388		:45-----	.28	.0009	.0129							10:20-----	.28	.0009	.0103	
11:30-----	3.49	.0114	.1521		:46-----	.34	.0011								11:00-----	.28	.0009	.0109	
p. m.					:48-----	.43	.0014												
1:00-----	3.22	.0105	.1686		:50-----	.59	.0019	.0130							p. m.				
2:40-----	3.10	.0101	.1858		:52-----	.76	.0025	.0131							1:00-----	.26	.0008	.0127	
4:00-----	2.97	.0097	.1990		:54-----	.87	.0028	.0132							3:40-----	.24	.0008	.0149	
6:00-----	2.84	.0093	.2180		:56-----	1.02	.0033	.0133							8:00-----	.24	.0008	.0183	
9:00-----	2.72	.0089	.2453		:57-----	1.40	.0046	.0134							9:40-----	.26	.0008	.0197	
12:00-----	2.61	.0085	.2714		:58-----	2.05	.0067	.0135							10:00-----	.24	.0008	.0200	
Apr. 22					7:00-----	2.51	.0082	.0137							12:00-----	.26	.0008	.0216	
a. m.					:05-----	2.05	.0067	.0143											
1:20-----	2.61	.0085	.0113		:07-----	2.84	.0093	.0146							May 10				



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
May 10	Second-foot	Inches per hour	Inches	May 16	Second-foot	Inches per hour	Inches	May 21	Second-foot	Inches per hour	Inches	May 24	Second-foot	Inches per hour	Inches
p. m.				p. m.				a. m.				a. m.			
1:00-----				6:00-----				2:20-----				8:00-----			
3:00-----				.40-----				3:10-----				:20-----			
5:00-----				7:20-----				.40-----				:30-----			
7:20-----	.21	.0007	.0146	10:00-----	.18	.0006	.0128	4:20-----	.17	.0006	.0025	:40-----	3.34	.0109	.0571
12:00-----	.21	.0007	.0178	12:00-----	.18	.0006	.0140	5:20-----	.16	.0005	.0030	:50-----	3.22	.0105	.0589
May 11				May 17				6:20-----	.16	.0005	.0035	9:15-----	3.34	.0109	.0634
a. m.				a. m.				9:30-----	.15	.0005	.0051	:20-----	3.49	.0114	.0643
5:00-----	.23	.0007	.0036	2:00-----	.18	.0006	.0012	11:40-----	.14	.0004	.0061	:30-----	3.64	.0119	.0662
8:00-----	.21	.0007	.0057	7:00-----	.17	.0006	.0041	p. m.				:40-----	4.10	.0134	.0683
11:00-----	.20	.0006	.0077	9:00-----	.16	.0005	.0052	12:40-----	.14	.0004	.0065	:50-----	4.38	.0143	.0706
p. m.				11:00-----	.16	.0005	.0062	2:00-----	.12	.0004	.0070	10:00-----	4.52	.0148	.0730
12:30-----	.18	.0006	.0086	p. m.				3:20-----	.12	.0004	.0075	:20-----	4.80	.0157	.0781
3:00-----	.17	.0006	.0100	2:00-----	.15	.0005	.0077	5:00-----	.11	.0004	.0081	:40-----	4.98	.0163	.0834
6:00-----	.17	.0006	.0117	12:00-----	.15	.0005	.0125	7:20-----	.12	.0004	.0090	11:00-----	5.16	.0169	.0889
8:00-----	.18	.0006	.0129	a. m.				10:20-----	.12	.0004	.0102	12:00-----	5.35	.0175	.1061
12:00-----	.18	.0006	.0153	May 18				12:00-----	.13	.0004	.0110	p. m.			
May 12				a. m.				May 22				12:20-----	5.91	.0193	.1122
a. m.				9:00-----	.15	.0005	.0044	a. m.				:40-----	6.32	.0207	.1189
11:40-----	.18	.0006	.0069	12:00-----	.14	.0004	.0058	8:00-----	.13	.0004	.0033	:20-----	6.52	.0213	.1259
p. m.				p. m.				10:40-----	.12	.0004	.0044	:40-----	6.52	.0213	.1330
3:00-----	.17	.0006	.0088	2:00-----	.13	.0004	.0067	p. m.				:50-----	6.32	.0207	.1400
7:00-----	.17	.0006	.0110	4:00-----	.12	.0004	.0075	12:20-----	.11	.0004	.0050	2:00-----	5.91	.0193	.1467
11:00-----	.18	.0006	.0133	5:00-----	.12	.0004	.0079	2:00-----	.10	.0003	.0056	:14-----	5.71	.0187	.1511
12:00-----	.18	.0006	.0139	8:00-----	.13	.0004	.0091	3:20-----	.10	.0003	.0060	:40-----	5.71	.0187	.1592
May 13				12:00-----	.13	.0004	.0108	5:00-----	.10	.0003	.0065	3:00-----	6.11	.0200	.1657
a. m.				a. m.				8:30-----	.10	.0003	.0076	:20-----	6.11	.0200	.1724
10:20-----	.18	.0006	.0061	9:20-----	.14	.0004	.0042	11:20-----	.11	.0004	.0086	:40-----	5.91	.0193	.1759
p. m.				11:00-----	.13	.0004	.0049	May 23				4:00-----	5.53	.0181	.1851
12:20-----	.17	.0006	.0073	p. m.				4:20-----	.12	.0004	.0016	:20-----	5.16	.0169	.1909
2:00-----	.16	.0005	.0082	12:20-----	.12	.0004	.0054	7:00-----	.12	.0004	.0026	:40-----	4.80	.0157	.1963
4:00-----	.15	.0005	.0092	1:04-----	.12	.0004	.0057	10:20-----	.11	.0004	.0038	5:00-----	4.66	.0152	.2014
5:00-----	.15	.0005	.0097	.12-----	.15	.0005	.0057	p. m.				:20-----	4.38	.0143	.2063
7:00-----	.16	.0005	.0107	.14-----	.15	.0005	.0057	12:30-----	.10	.0003	.0046	:40-----	4.10	.0134	.2109
:20-----	.17	.0006	.0109	.24-----	.14	.0004	.0058	1:00-----	.10	.0003	.0048	6:00-----	3.80	.0124	.2152
8:20-----	.18	.0006	.0115	.40-----	.14	.0004	.0059	2:20-----	.11	.0004	.0053	:20-----	3.64	.0119	.2193
12:00-----	.18	.0006	.0137	2:40-----	.15	.0005	.0064	3:00-----	.13	.0004	.0055	:40-----	3.34	.0109	.2231
May 14				.50-----	.23	.0007	.0065	4:00-----	.14	.0004	.0059	7:00-----	3.22	.0105	.2267
a. m.				.56-----	.23	.0007	.0066	5:00-----	.15	.0005	.0064	:20-----	3.10	.0101	.2301
7:00-----	.18	.0006	.0042	3:00-----	.26	.0008	.0066	7:20-----	.14	.0004	.0075	:40-----	2.97	.0097	.2334
10:20-----	.17	.0006	.0061	.05-----	.36	.0012	.0067	8:40-----	.13	.0004	.0081	8:00-----	2.72	.0089	.2365
12:00-----	.16	.0005	.0070	.10-----	.43	.0014	.0068	11:00-----	.13	.0004	.0091	:30-----	2.61	.0085	.2409
p. m.				.18-----	.45	.0015	.0070	12:00-----	.13	.0004	.0095	9:00-----	2.51	.0082	.2451
1:40-----	.15	.0005	.0078	.20-----	.50	.0016	.0071	May 24				10:00-----	2.23	.0073	.2529
3:40-----	.14	.0004	.0087	.45-----	.43	.0014	.0077	a. m.				11:00-----	1.95	.0064	.2597
6:00-----	.14	.0004	.0097	.52-----	.53	.0017	.0079	12:00-----	.13	.0004		12:00-----	1.77	.0058	.2658
9:00-----	.15	.0005	.0111	4:00-----	.50	.0016	.0081	a. m.							
12:00-----	.15	.0005	.0125	.06-----	.47	.0016	.0083	12:40-----	.15	.0005	.0003	1:00-----	1.69	.0055	.0056
May 15				.12-----	.59	.0019	.0085	1:10-----	.16	.0005	.0005	2:00-----	1.54	.0050	.0108
a. m.				.16-----	.63	.0020	.0086	:20-----	.17	.0006	.0006	3:00-----	1.47	.0048	.0157
3:00-----	.16	.0005	.0015	.20-----	.63	.0020	.0087	:40-----	.21	.0007	.0008	4:00-----	1.40	.0046	.0204
9:30-----	.16	.0005	.0049	.40-----	.48	.0016	.0093	2:00-----	.24	.0008	.0010	5:00-----	1.33	.0044	.0249
11:08-----	.16	.0005	.0057	.50-----	.43	.0014	.0098	:20-----	.30	.0010	.0013	:40-----	1.26	.0041	.0277
:20-----	.17	.0006	.0058	.25-----	.36	.0012	.0103	3:00-----	.34	.0011	.0016	7:40-----	1.14	.0037	.0355
:40-----	.20	.0006	.0060	6:00-----	.32	.0010	.0109	4:00-----	.41	.0013	.0020	9:40-----	1.02	.0033	.0425
12:00-----	.23	.0007	.0062	.30-----	.28	.0009	.0114	:20-----	.52-----	.87-----	.0028-----	10:40-----	1.02	.0033	.0458
May 16				May 20				5:00-----	.87-----	.0032-----	.0109-----	11:20-----	1.08	.0035	.0481
a. m.				a. m.				:08-----	.14	.0003	.0035	12:00-----	1.02	.0033	.0504
3:00-----	.18	.0006	.0018	2:00-----	.18	.0006	.0012	.15-----	.59	.0019	.0024	p. m.			
7:20-----	.18	.0006	.0044	6:00-----	.17	.0006	.0035	:20-----	.66	.0022	.0026	1:40-----	.92	.0030	.0557
11:00-----	.17	.0006	.0065	8:00-----	.17	.0006	.0046	:30-----	.73	.0024	.0030	3:40-----	.83	.0027	.0613
May 17				10:30-----	.16	.0005	.0059	:40-----	.76	.0025	.0034	5:20-----	.80	.0026	.0656
a. m.				p. m.				:52-----	.80	.0026	.0043	7:00-----	.76	.0025	.0699
12:30-----	.18	.0007	.0086	12:30-----	.15	.0005	.0069	:20-----	.108	.0035	.0053	8:40-----	.76	.0025	.0741
3:00-----	.17	.0006	.0100	.40-----	.16	.0005	.0070	4:00-----	1.08	.0035	.0053	12:00-----	.73	.0024	.0821
6:00-----	.17	.0006	.0117	.50-----	.16	.0005	.0072	:30-----	.114	.0037	.0059	May 26			
8:20-----	.21	.0007	.0143	.20-----	.15	.0005	.0074	:35-----	.126	.0041	.0062	a. m.			
9:00-----	.21	.0007	.0147	2:20-----	.14	.0004	.0079	.45-----	.126	.0041	.0069	3:00-----	.70	.0023	.0072
11:00-----	.20	.0006	.0160	4:00-----	.13	.0004	.0086	5:00-----	1.08	.0035	.0079	4:20-----	.70	.0023	.0103
12:00-----	.20	.0006	.0166	6:00-----	.13	.0004	.0094	:20-----	.87	.0028	.0030	9:00-----	.66	.0022	.0206
May 18				10:00-----	.14	.0004	.0111	:28-----	.83	.0027	.0094	p. m.			
a. m.				12:00-----	.14	.0004	.0120	:40-----	.83	.0027	.0099	1:00-----	.63	.0020	.0290
1:18-----	.14	.0004	.0006	May 21				:52-----	.87	.0028	.0105	5:00-----	.59	.0019	.0370
:30-----	.20	.0006	.0007	a. m.				:50-----	.97	.0032	.0109	12:00-----	.59	.0019	.0503
:54-----	.21	.0007	.0010	2:00-----	.18	.0006	.0012	7:00-----	7.66	.0251	.0220	May 27			
May 19				6:00-----	.17	.0006	.0035	:20-----	8.16	.0267	.0306	a. m.			
a. m.				8:00-----	.17	.0006	.0046	:25-----	8.42	.0276	.0329	1:00-----	.63	.0020	.0260
1:30-----	.14	.0004	.0006	10:30-----	.16	.0005	.0059	:30-----	8.42	.0276	.0352	6:00-----	.59	.0019	.0360
:40-----	.21	.0007	.0010	p. m.				:40-----	7.90	.0258	.0396	12:00-----	.59	.0019	.0474
3:00-----	.18	.0006	.0018	12:30-----	.15	.0005	.0069	May 22				May 28			
7:20-----	.18	.0006	.0044	.40-----	.16	.0005	.0070	a. m.				5:00-----	.63	.0020	.0100
11:00-----	.17	.0006	.0065	.50-----	.16	.0005	.0072	:10-----	5.53	.0181	.0184	p. m.			
May 20				.20-----	.15	.0005	.0074	:12-----	7.66	.0251	.0220	1:00-----	.63	.0020	.0260
a. m.				2:20-----	.14	.0004	.0079	:20-----	8.16	.0267	.0306	6:00-----	.59	.0019	.0360
1:30-----	.14	.0004	.0006	4:00-----	.13	.0004	.0086	:22-----	8.42	.0276	.0329	12:00-----	.59	.0019	.0474
:40-----	.21	.0007	.0010	6:00-----	.13	.0004	.0094	:24-----	7.90	.0258	.0396	May 29			
3:00-----	.18	.0006	.0018	10:00-----	.14	.0004	.0111	:26-----	7.66	.0251	.0220	a. m.			
7:20-----	.18	.0006	.0044	12:00-----	.14	.0004	.0120	:28-----	8.16	.0267	.0306	5:00-----	.63	.0020	.0100
11:00-----	.17	.0006	.0065	May 23				:30-----	8.42	.0276	.0329	p. m.			
May 21				a. m.				:40-----	7.90	.0258	.0396	1:00-----	.63	.0020	.0260
a. m.				2:00-----	.18	.0006	.0012	May 24				6:00-----	.59	.0019	.0360
1:30-----	.14	.0004	.0006	6:00-----	.17	.0006	.0035	a. m.				12:00-----	.59	.0019	.0474
:40-----	.21	.0007	.0010	8:00-----	.17	.0006	.0046	:10-----	5.53	.0181	.0184	May 30			
3:00-----	.18	.0006	.0018	10:30-----	.16	.0005	.0059	:12-----	7.66	.0251	.0220	a. m.			
7:20-----	.18	.0006													

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
May 29	Second-feet	Inches per hour	Inches	June 1	Second-feet	Inches per hour	Inches	June 7	Second-feet	Inches per hour	Inches	June 10	Second-feet	Inches per hour	Inches
a. m.				p. m.				p. m.				p. m.			
2:00-----	0.59	.0019	.0038	1:00-----	1.47	.0048	.0677	12:20-----	0.23	.0007	.0088	2:20-----	4.66	.0152	.0174
7:00-----	.56	.0018	.0128	3:20-----	1.40	.0046	.0787	1:00-----	.24	.0008	.0093	:26-----	4.80	.0157	.0189
10:00-----	.56	.0018	.0182	6:00-----	1.33	.0044	.0907	:02-----	.24	.0008		:38-----	4.80	.0157	.0220
p. m.				9:00-----	1.26	.0041	.1033	:30-----	.26	.0008	.0097	:50-----	4.52	.0148	.0250
1:40-----	.53	.0017	.0248	12:00-----	1.19	.0039	.1153	2:50-----	.28	.0009	.0108	3:00-----	4.24	.0139	.0274
4:40-----	.50	.0016	.0296					3:40-----	.28	.0009	.0116	:40-----	3.34	.0109	.0315
5:14-----	.50	.0016	.0305	June 2				5:00-----	.26	.0008	.0128	:40-----	2.97	.0097	.0349
7:08-----	.50	.0016	.0335	a. m.				7:00-----	.24	.0008	.0144	:48-----	2.84	.0093	.0362
:20-----	.56	.0018	.0338	2:00-----	1.19	.0039	.0078	12:00-----	.24	.0008	.0184	4:00-----	3.10	.0101	.0381
:40-----	.63	.0020	.0344	5:20-----	1.14	.0037	.0205					:10-----	3.22	.0105	.0398
:50-----	.66	.0022	.0348	7:00-----	1.14	.0037	.0267	June 8				:20-----	3.22	.0105	.0416
8:20-----	.69	.0023	.0359	10:00-----	1.08	.0035	.0375	a. m.				:40-----	2.84	.0093	.0449
9:00-----	.70	.0023	.0374					7:00-----	.24	.0008	.0055	5:00-----	2.51	.0082	.0478
10:00-----	.63	.0020	.0396	p. m.				10:00-----	.26	.0008	.0080	:20-----	2.14	.0070	.0503
:20-----	.63	.0020	.0403	12:40-----	1.02	.0033	.0466	11:00-----	.26	.0008	.0088	:40-----	1.77	.0058	.0524
:40-----	.70	.0023	.0410	3:00-----	.97	.0032	.0541					6:00-----	1.54	.0050	.0542
11:00-----	.76	.0025	.0418	5:00-----	.92	.0030	.0603	p. m.				:20-----	1.33	.0044	.0558
:20-----	.83	.0027	.0427	7:20-----	.87	.0028	.0671	12:40-----	.24	.0008	.0102	:40-----	1.19	.0039	.0572
12:00-----	.92	.0030	.0446	11:00-----	.83	.0027	.0774	2:20-----	.23	.0007	.0115	7:00-----	1.08	.0035	.0584
May 30				12:00-----	.83	.0027	.0801	:43-----	.21	.0007	.0118	:20-----	.97	.0032	.0595
a. m.				June 3				3:00-----	.21	.0007	.0120	:40-----	.92	.0030	.0605
1:00-----	.92	.0030	.0030	a. m.				4:20-----	.20	.0006	.0129	8:00-----	.87	.0028	.0615
:30-----	.87	.0028	.0044	5:00-----	.83	.0027	.0135	:30-----	.28	.0009	.0130	:20-----	.83	.0027	.0624
:45-----	.92	.0030	.0051	8:00-----	.80	.0026	.0213	:40-----	.36	.0012	.0132	9:00-----	.80	.0026	.0641
2:00-----	1.02	.0033	.0059	11:00-----	.76	.0025	.0291	5:00-----	.50	.0016	.0137	10:00-----	.76	.0025	.0667
:20-----	1.19	.0039	.0071					:10-----	.63	.0020	.0140	11:00-----	.70	.0023	.0691
:40-----	1.47	.0048	.0086	p. m.				:20-----	.70	.0023	.0144	12:00-----	.63	.0020	.0713
3:00-----	1.54	.0050	.0102	2:00-----	.73	.0024	.0363	:30-----	.76	.0025	.0148				
:20-----	1.62	.0053	.0119	4:40-----	.70	.0023	.0427	:40-----	.80	.0026	.0152	June 11			
4:00-----	1.62	.0053	.0154	7:00-----	.66	.0022	.0478	6:00-----	.80	.0026	.0161	a. m.			
5:00-----	1.47	.0048	.0204	10:00-----	.63	.0020	.0541	:20-----	.76	.0025	.0170	1:00-----	.59	.0019	.0020
6:00-----	1.33	.0044	.0250	12:00-----	.59	.0019	.0581	:40-----	.56	.0018	.0178	:40-----	.56	.0018	.0032
7:20-----	1.26	.0041	.0306					7:00-----	.56	.0018	.0185	2:20-----	.53	.0017	.0044
9:20-----	1.26	.0041	.0388	June 4				:20-----	.50	.0016	.0191	3:40-----	.50	.0016	.0065
10:00-----	1.33	.0044	.0416	a. m.				:40-----	.45	.0015	.0197	4:10-----	.50	.0016	.0073
:40-----	1.40	.0046	.0446	3:00-----	.56	.0018	.0054	8:00-----	.45	.0015	.0202	:40-----	.53	.0017	.0081
p. m.				5:20-----	.53	.0017	.0096	:20-----	.43	.0014	.0207	5:00-----	.56	.0018	.0087
12:20-----	1.47	.0048	.0524	8:00-----	.50	.0016	.0139	:40-----	.41	.0013	.0212	:20-----	.59	.0019	.0093
1:00-----	1.47	.0048	.0556	11:00-----	.48	.0016	.0187	9:00-----	.38	.0012	.0216	:30-----	.63	.0020	.0096
2:40-----	1.40	.0046	.0634					:40-----	.36	.0012	.0224	:50-----	.66	.0022	.0103
3:45-----	1.40	.0046	.0684	p. m.				10:20-----	.34	.0011	.0232	6:20-----	.66	.0022	.0114
4:20-----	1.47	.0048	.0711	2:00-----	.45	.0015	.0235	11:00-----	.32	.0010	.0239	7:10-----	.63	.0020	.0132
:50-----	1.54	.0050	.0735	4:40-----	.43	.0014	.0272	12:00-----	.30	.0010	.0249	8:20-----	.56	.0018	.0154
5:05-----	1.62	.0053	.0748	7:00-----	.41	.0013	.0319					9:40-----	.50	.0016	.0177
:20-----	1.69	.0055	.0762	10:00-----	.38	.0012	.0343	June 9				10:45-----	.48	.0016	.0194
:40-----	1.86	.0061	.0781	12:00-----	.36	.0012	.0367	a. m.				11:00-----	.53	.0017	.0198
6:00-----	2.05	.0067	.0802					1:00-----	.28	.0009	.0010	:10-----	.53	.0017	.0201
:20-----	2.23	.0073	.0825	June 5				:24-----	.28	.0009	.0014	:20-----	.56	.0018	.0204
:40-----	2.32	.0076	.0850	a. m.				:30-----	.28	.0009	.0015	:40-----	.63	.0020	.0210
7:00-----	2.51	.0082	.0876	1:00-----	.36	.0012	.0012	:34-----	.30	.0010	.0016	12:00-----	.63	.0020	.0217
:20-----	2.61	.0085	.0904	3:40-----	.34	.0011	.0044	:40-----	.30	.0010	.0017				
:40-----	2.72	.0089	.0933	6:00-----	.32	.0010	.0067	2:20-----	.32	.0010	.0024	p. m.			
8:00-----	2.84	.0093	.0963	9:00-----	.30	.0010	.0097	:36-----	.32	.0010	.0027	:55-----	.59	.0019	.0224
:40-----	2.97	.0097	.1026	11:00-----	.28	.0009	.0117	:50-----	.34	.0011	.0029	:55-----	.59	.0019	.0234
9:00-----	3.10	.0101	.1059	12:00-----	.26	.0008	.0126	3:10-----	.36	.0012	.0033	:20-----	.63	.0020	.0241
:40-----	3.34	.0109	.1129					:40-----	.38	.0012	.0039	:40-----	.73	.0024	.0248
10:20-----	3.49	.0114	.1204	p. m.				4:00-----	.38	.0012	.0043	:45-----	.76	.0025	.0250
12:00-----	3.34	.0109	.1391	1:00-----	.24	.0008	.0134	5:00-----	.36	.0012	.0055	:50-----	.83	.0027	.0252
May 31				2:20-----	.23	.0007	.0144	6:00-----	.34	.0011	.0075	1:02-----	1.02	.0033	.0254
a. m.				4:00-----	.21	.0007	.0156	7:00-----	.32	.0010	.0088	2:00-----	1.33	.0044	.0257
12:40-----	3.22	.0105	.0072	7:00-----	.21	.0007	.0177	8:00-----	.30	.0010	.0088	:05-----	1.86	.0061	.0261
1:40-----	3.10	.0101	.0175	9:20-----	.23	.0007	.0194	10:40-----	.30	.0010	.0115	:10-----	2.32	.0076	.0267
2:40-----	2.97	.0097	.0274	11:00-----	.24	.0008	.0207	p. m.				:15-----	2.61	.0085	.0274
3:40-----	2.84	.0093	.0369	12:00-----	.24	.0008	.0215	12:40-----	.28	.0009	.0135	:20-----	2.97	.0097	.0282
5:00-----	2.72	.0089	.0490	June 6				2:40-----	.26	.0008	.0153	:30-----	3.34	.0109	.0299
6:00-----	2.61	.0085	.0577	a. m.				4:00-----	.24	.0008	.0164	:40-----	3.64	.0119	.0318
7:30-----	2.51	.0082	.0703	3:00-----	.26	.0008	.0025	5:15-----	.24	.0008	.0174	:45-----	3.80	.0124	.0328
9:00-----	2.41	.0079	.0823	9:00-----	.26	.0008	.0076	6:00-----	.26	.0008	.0180	3:00-----	3.80	.0124	.0359
10:30-----	2.32	.0076	.0940	10:40-----	.24	.0008	.0090	7:00-----	.26	.0008	.0231	:15-----	3.80	.0124	.0390
12:00-----	2.23	.0073	.1051	12:00-----	.23	.0007	.0100	12:00-----	.26	.0008		:30-----	3.49	.0114	.0420
p. m.								June 10				:40-----	3.34	.0109	.0439
2:00-----	2.14	.0070	.1195	p. m.				a. m.				4:00-----	3.10	.0101	.0474
4:00-----	2.05	.0067	.1331	1:00-----	.21	.0007	.0107	5:00-----	.28	.0009	.0040	:08-----	2.84	.0093	.0487
6:00-----	1.95	.0064	.1463	2:20-----	.20	.0006	.0116	p. m.				:20-----	2.61	.0085	.0505
7:40-----	1.86	.0061	.1566	4:00-----	.18	.0006	.0126	:28-----	.28	.0009	.0113	:40-----	2.32	.0076	.0532
10:00-----	1.77	.0058	.1706	6:20-----	.18	.0006	.0140	:40-----	.36	.0012	.0118	5:00-----	2.05	.0067	.0556
12:00-----	1.69	.0055	.1818	9:00-----	.20	.0006	.0156	:42-----	.43	.0014		:20-----	1.86	.0061	.0577
June 1				11:40-----	.21	.0007	.0174	:44-----	.53	.0017	.0119	:40-----	1.62	.0053	.0596
a. m.				12:00-----	.21	.0007	.0176	:46-----	.70	.0023	.0120	6:00-----	1.47	.0048	.0631
2:00-----	1.69	.0055	.0110	June 7				:48-----	.83	.0027	.0121	:40-----	1.40	.0046	.0647
5:30-----	1.62	.0053	.0299	a. m.				:50-----	1.02	.0033	.0122	7:00-----	1.33	.0044	.0662
8:40-----	1.54	.0050	.0464	4:00-----	.23	.0007	.0028	:52-----	1.40	.0046	.0123	:20-----	1.26	.0041	.0676
9:00-----	1.54	.0050	.0481	10:00-----	.23	.0007	.0072	:54-----	1.69	.0055	.0125	:40-----	1.19	.0039	.0689
				11:35-----	.21	.0007	.0083	:56-----	2.05	.0067	.0127	8:10-----	1.14	.0037	.0708
				:40-----	.21	.0007		2:00-----	2.61	.0085	.0132	:40-----	1.08	.0035	.0726
								:05-----	3.34	.0109	.0140	9:20-----	1.02	.0033	.0749
								:10-----	4.24	.0139	.0150	10:00-----	.97	.0032	.0770
								:15-----	4.52	.0148	.0162	11:00-----	.92	.	



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 12	Second-foot	Inches per hour	Inches	June 13	Second-foot	Inches per hour	Inches	June 18	Second-foot	Inches per hour	Inches	June 22	Second-foot	Inches per hour	Inches
a. m.				p. m.				p. m.				p. m.			
2:00-----	0.83	0.0027	0.0056	2:00-----	1.14	0.0037	0.0947	8:00-----	5.16	0.0169	0.1708	5:20-----	0.43	0.0014	0.0246
4:30-----	.80	.0026	.0121	3:00-----	1.02	.0033	.0982	8:20-----	4.66	.0152	.1761	7:00-----	.43	.0014	.0269
6:30-----	.76	.0025	.0173	4:00-----	.97	.0032	.1014	8:40-----	4.38	.0143	.1810	11:00-----	.41	.0013	.0325
8:30-----	.73	.0024	.0221	5:00-----	.92	.0030	.1045	9:00-----	4.10	.0134	.1856	12:00-----	.41	.0013	.0338
10:00-----	.70	.0023	.0257	6:20-----	.87	.0028	.1084	9:20-----	3.80	.0124	.1899	June 23			
11:00-----	.66	.0022	.0279	12:00-----	.87	.0028	.1243	9:40-----	3.49	.0114	.1939	a. m.			
p. m.				June 14				10:20-----	3.22	.0105	.2012	10:00-----	.41	.0013	.0130
12:10-----	.66	.0022	.0305	a. m.				10:40-----	3.10	.0101	.2046	11:20-----	.38	.0012	.0146
2:0-----	.66	.0022	.0309	7:00-----	.87	.0028	.0196	11:20-----	2.72	.0089	.2109	p. m.			
3:0-----	.73	.0024	.0313	12:00-----	.83	.0027	.0336	12:00-----	2.61	.0085	.2167	12:40-----	.36	.0012	.0162
4:0-----	.83	.0027	.0317	p. m.				June 19				1:50-----	.34	.0011	.0176
5:0-----	1.26	.0041	.0323	3:00-----	.80	.0026	.0414	a. m.				3:00-----	.32	.0010	.0188
1:00-----	1.69	.0055	.0331	6:40-----	.80	.0026	.0509	12:20-----	2.51	.0082	.0028	5:00-----	.30	.0010	.0208
2:10-----	2.14	.0070	.0341	10:00-----	.83	.0027	.0596	1:00-----	2.32	.0076	.0081	6:00-----	.30	.0010	.0218
2:20-----	2.32	.0076	.0353	12:00-----	.83	.0027	.0650	2:00-----	2.14	.0070	.0154	8:20-----	.32	.0010	.0241
2:25-----	2.41	.0079	.0359	June 15				3:00-----	1.95	.0064	.0221	8:30-----	.32	.0010	.0242
2:40-----	2.51	.0082	.0379	a. m.				4:00-----	1.77	.0058	.0282	9:00-----	.36	.0012	.0250
2:00-----	2.41	.0079	.0406	9:00-----	.83	.0027	.0243	5:00-----	1.69	.0055	.0338	9:20-----	.45	.0015	.0254
2:20-----	2.23	.0073	.0431	p. m.				6:00-----	1.62	.0053	.0392	9:40-----	.59	.0019	.0243
2:40-----	2.05	.0067	.0454	1:00-----	.80	.0026	.0347	7:00-----	1.54	.0050	.0444	9:50-----	.76	.0025	.0244
3:00-----	1.86	.0061	.0475	5:00-----	.76	.0025	.0451	8:00-----	1.47	.0048	.0493	10:00-----	.92	.0030	.0245
3:04-----	1.86	.0061	.0479	12:00-----	.76	.0025	.0626	9:20-----	1.40	.0046	.0556	10:20-----	1.08	.0035	.0246
3:20-----	1.69	.0055	.0494	June 16				10:40-----	1.33	.0044	.0616	10:40-----	1.54	.0050	.0247
3:50-----	1.54	.0050	.0520	p. m.				11:00-----	1.54	.0050	.0628	10:50-----	2.05	.0067	.0249
4:00-----	1.54	.0050	.0528	2:00-----	.76	.0025	.0350	11:10-----	1.54	.0050	.0640	11:00-----	2.72	.0089	.0250
4:30-----	1.40	.0046	.0552	6:00-----	.73	.0024	.0446	11:15-----	1.47	.0048	.0644	11:10-----	4.10	.0134	.0252
5:00-----	1.26	.0041	.0574	12:00-----	.73	.0024	.0590	12:00-----	1.62	.0053	.0655	11:20-----	4.98	.0163	.0254
5:20-----	1.19	.0039	.0587	June 17				12:20-----	1.62	.0053	.0662	11:30-----	6.72	.0220	.0257
5:40-----	1.14	.0037	.0600	a. m.				p. m.				11:40-----	9.47	.0310	.0266
6:00-----	1.08	.0035	.0612	7:42-----	.73	.0024	.0185	12:20-----	1.40	.0046	.0682	11:50-----	13.3	.0435	.0278
6:20-----	1.02	.0033	.0623	9:56-----	.73	.0024	.0239	1:00-----	1.19	.0039	.0696	12:00-----	16.7	.0546	.0291
7:00-----	.97	.0032	.0644	10:00-----	.76	.0025	.0241	1:00-----	1.02	.0033	.0720	12:10-----	19.3	.0632	.0311
7:40-----	.92	.0030	.0665	11:20-----	.87	.0028	.0277	1:20-----	1.02	.0033	.0738	12:20-----	22.0	.0720	.0356
8:40-----	.87	.0028	.0694	11:50-----	.92	.0030	.0291	1:40-----	1.19	.0039	.0751	12:30-----	22.8	.0746	.0405
8:52-----	.87	.0028	.0700	June 18				1:50-----	1.14	.0037	.0754	12:40-----	21.5	.0704	.0477
9:00-----	.87	.0028	.0704	a. m.				2:00-----	1.19	.0039	.0762	12:50-----	18.9	.0618	.0532
9:10-----	.97	.0032	.0709	7:42-----	.73	.0024	.0185	2:05-----	1.19	.0039	.0762	1:00-----	15.4	.0504	.0579
9:15-----	1.19	.0039	.0712	9:56-----	.73	.0024	.0239	2:10-----	1.19	.0039	.0770	1:10-----	12.9	.0422	.0618
9:18-----	1.69	.0055	.0714	10:00-----	.76	.0025	.0241	2:15-----	1.02	.0033	.0782	1:20-----	10.9	.0357	.0650
9:20-----	2.23	.0073	.0716	11:20-----	.87	.0028	.0277	2:20-----	.92	.0030	.0793	1:30-----	8.42	.0276	.0703
9:21-----	2.84	.0093	.0717	11:50-----	.92	.0030	.0291	2:25-----	.87	.0028	.0807	1:40-----	7.19	.0235	.0746
9:22-----	3.64	.0119	.0719	June 19				2:30-----	.83	.0027	.0830	1:50-----	6.52	.0213	.0783
9:23-----	4.80	.0157	.0721	a. m.				2:35-----	.80	.0026	.0873	2:00-----	5.91	.0193	.0851
9:24-----	5.71	.0187	.0723	7:42-----	.73	.0024	.0185	2:40-----	.80	.0026	.1029	2:10-----	4.80	.0157	.0909
9:25-----	6.96	.0228	.0726	9:56-----	.73	.0024	.0239	2:45-----	.80	.0026		2:20-----	4.24	.0139	.0934
9:26-----	8.42	.0276	.0730	10:00-----	.76	.0025	.0241	2:50-----	.80	.0026		2:30-----	3.34	.0109	.0955
9:27-----	9.75	.0319	.0735	11:20-----	.87	.0028	.0277	2:55-----	.80	.0026		2:40-----	2.97	.0097	.0972
9:28-----	11.9	.0389	.0741	11:50-----	.92	.0030	.0291	3:00-----	.80	.0026		2:50-----	2.72	.0089	.0988
9:30-----	14.4	.0471	.0755	June 20				3:05-----	.76	.0025	.0217	3:00-----	2.32	.0076	.1015
9:32-----	17.6	.0576	.0772	a. m.				3:10-----	.76	.0025	.0234	3:10-----	2.05	.0067	.1039
9:35-----	20.2	.0661	.0803	7:42-----	.73	.0024	.0185	3:15-----	.73	.0024	.0258	June 24			
9:40-----	18.4	.0602	.0856	9:56-----	.73	.0024	.0239	3:20-----	.69	.0023	.0282	a. m.			
9:45-----	15.1	.0494	.0902	10:00-----	.76	.0025	.0241	3:25-----	.66	.0022	.0304	12:20-----	1.86	.0061	.0021
10:00-----	14.0	.0458	.1021	11:20-----	.87	.0028	.0277	3:30-----	.66	.0022		1:40-----	1.69	.0055	.0040
10:20-----	11.9	.0389	.1162	11:50-----	.92	.0030	.0291	3:35-----	.66	.0022		2:00-----	1.62	.0053	.0058
10:40-----	10.0	.0327	.1281	June 21				3:40-----	.66	.0022		2:10-----	1.54	.0050	.0075
11:00-----	8.16	.0267	.1380	a. m.				3:45-----	.66	.0022		2:20-----	1.40	.0046	.0123
11:20-----	6.96	.0228	.1463	7:42-----	.73	.0024	.0185	3:50-----	.66	.0022		3:20-----	1.26	.0041	.0167
11:40-----	6.11	.0200	.1534	9:56-----	.73	.0024	.0239	3:55-----	.66	.0022		3:40-----	1.14	.0037	.0219
12:00-----	5.16	.0169	.1595	10:00-----	.76	.0025	.0241	4:00-----	.66	.0022		4:00-----	1.02	.0033	.0266
June 13				11:20-----	.87	.0028	.0277	4:05-----	.66	.0022		4:10-----	.92	.0030	.0319
a. m.				11:50-----	.92	.0030	.0291	4:10-----	.66	.0022		4:20-----	.83	.0027	.0394
12:20-----	4.66	.0152	.0053	June 22				4:15-----	.66	.0022		4:30-----	.80	.0026	.0437
1:00-----	3.64	.0119	.0176	a. m.				4:20-----	.66	.0022		June 25			
2:00-----	2.97	.0097	.0248	7:42-----	.73	.0024	.0185	4:25-----	.66	.0022		a. m.			
2:20-----	2.84	.0093	.0280	9:56-----	.73	.0024	.0239	4:30-----	.66	.0022		7:00-----	.53	.0017	.0119
2:40-----	2.61	.0085	.0310	10:00-----	.76	.0025	.0241	4:35-----	.66	.0022		10:00-----	.50	.0016	.0167
2:50-----	2.51	.0082	.0338	11:20-----	.87	.0028	.0277	4:40-----	.66	.0022		p. m.			
3:00-----	2.41	.0079	.0365	11:50-----	.92	.0030	.0291	4:45-----	.66	.0022		12:20-----	.48	.0016	.0204
3:20-----	2.32	.0076	.0391	June 23				4:50-----	.66	.0022		2:20-----	.45	.0015	.0236
3:40-----	2.23	.0073	.0416	a. m.				4:55-----	.66	.0022		5:00-----	.43	.0014	.0273
4:00-----	2.14	.0070	.0440	7:42-----	.73	.0024	.0185	5:00-----	.66	.0022		6:50-----	.43	.0014	.0298
4:20-----	2.05	.0067	.0463	9:56-----	.73	.0024	.0239	5:05-----	.66	.0022		7:10-----	.45	.0015	.0303
4:40-----	1.95	.0064	.0485	10:00-----	.76	.0025	.0241	5:10-----	.66	.0022		7:20-----	.50	.0016	.0306
5:00-----	1.86	.0061	.0506	11:20-----	.87	.0028	.0277	5:15-----	.66	.0022					
5:20-----	1.77	.0058	.0546	11:50-----	.92	.0030	.0291	5:20-----	.66	.0022					
6:20-----	1.69	.0055	.0583	June 24				5:25-----	.66	.0022					
7:00-----	1.62	.0053	.0619	a. m.				5:30-----	.66	.0022					
8:00-----	1.54	.0050	.0671	7:42-----	.73	.0024	.0185	5:35-----	.66	.0022					
9:00-----	1.47	.0048	.0720	9:56-----	.73	.0024	.0239	5:40-----	.66	.0022					
9:20-----	1.47	.0048	.0736	10:00-----	.76	.0025	.0241	5:45-----	.66	.0022					
10:00-----	1.54	.0050	.0769	11:20-----	.87	.0028	.0277	5:50-----	.66	.0022					
10:20-----	1.54	.0050	.0786	11:50-----	.92	.0030	.0291	5:55-----	.66	.0022					
10:40-----	1.47	.0048	.0802	June 25				6:00-----	.66	.0022					
11:20-----	1.40	.0046	.0833	a. m.				6:05-----	.66	.0022					
p. m.				7:42-----	.73	.0024	.01								



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
June 25	Second-foot	Inches per hour	Inches	June 28	Second-foot	Inches per hour	Inches	June 30	Second-foot	Inches per hour	Inches	July 4	Second-foot	Inches per hour	Inches
p. m.				a. m.				p. m.				p. m.			
7:30	0.59	0.0019	0.0309	8:50	24.2	0.0792	0.0706	11:00	2.05	0.0067	0.1180	4:00	0.83	0.0027	0.0484
48	.63	.0020	.0315	55	22.3	.0730	.0769	10	2.32	.0076	.1192	8:00	.80	.0026	.0592
55	.73	.0024	.0318	9:00	19.8	.0648	.0826	20	2.97	.0097	.1206	10:00	.76	.0025	.0642
8:00	.87	.0028	.0320	06	18.0	.0589	.0888	30	4.10	.0134	.1225	12:00	.73	.0024	.0692
05	1.14	.0037	.0323	08	18.0	.0589	.0908	40	4.98	.0163	.1250				
10	1.40	.0046	.0327	10	19.3	.0632	.0928	50	6.52	.0213	.1281	July 5			
20	1.54	.0050	.0335	12	22.5	.0736	.0951	12:00	9.47	.0310	.1325	a. m.			
30	1.47	.0048	.0343	14	25.7	.0841	.0977					4:00	.70	.0023	.0092
40	1.33	.0044	.0351	15	27.9	.0913	.0991	July 1				8:00	.66	.0022	.0180
9:00	1.02	.0033	.0364	16	30.1	.0985	.1007	a. m.				12:00	.63	.0021	.0268
20	.83	.0027	.0374	18	31.8	.104	.1041	12:05	10.6	.0347	.0014				
40	.76	.0025	.0383	20	34.2	.112	.1077	10	11.6	.0380	.0044	p. m.			
10:00	.70	.0023	.0391	22	36.9	.121	.1116	15	12.6	.0412	.0077	4:00	.60	.0019	.0348
20	.63	.0020	.0398	24	38.9	.127	.1157	20	12.9	.0422	.0112	8:00	.60	.0019	.0424
11:00	.59	.0019	.0411	26	40.2	.132	.1200	30	12.9	.0422	.0182	12:00	.56	.0018	.0496
30	.56	.0018	.0420	28	41.5	.136	.1245	40	11.9	.0389	.0250				
12:00	.56	.0018	.0429	32	41.5	.136	.1336	50	10.6	.0347	.0311	July 6			
				34	40.4	.132	.1381	1:00	9.47	.0310	.0366	a. m.			
June 26				36	37.4	.122	.1423	10	8.42	.0276	.0415	4:00	.53	.0017	.0072
a. m.				37	34.0	.111	.1442	20	7.90	.0258	.0460	8:00	.50	.0016	.0136
1:20	.53	.0017	.0024	38	31.0	.102	.1460	30	7.66	.0251	.0477	12:00	.48	.0016	.0200
3:20	.50	.0016	.0056	40	28.4	.0930	.1492	40	6.96	.0228	.0581				
6:00	.50	.0016	.0099	45	26.4	.0864	.1565	2:00	6.52	.0213	.0618	a. m.			
9:00	.48	.0016	.0147	50	24.9	.0815	.1635	3:00	5.71	.0187	.0683	4:00	.45	.0015	.0264
10:00	.48	.0016	.0163	55	23.5	.0769	.1701	4:00	5.35	.0175	.0743	8:00	.43	.0014	.0324
11:20	.45	.0015	.0184	10:00	22.3	.0730	.1763	5:00	5.16	.0169	.0800	12:00	.41	.0013	.0376
				05	20.8	.0681	.1822	20	4.98	.0163	.0855				
				10	20.2	.0661	.1878	30	4.80	.0157	.0882	July 7			
				18	17.6	.0576	.1960	40	4.66	.0152	.0908	a. m.			
12:24	.45	.0015	.0200	28	17.6	.0576	.2056	50	4.52	.0148	.0933	4:00	.38	.0013	.0052
40	.53	.0017	.0204	40	16.2	.0530	.2167	2:00	4.38	.0143	.0957	8:00	.36	.0012	.0104
1:00	.56	.0018	.0210	50	14.7	.0481	.2251	3:00	4.24	.0139	.0981	12:00	.36	.0012	.0152
10	.63	.0020	.0213	11:00	14.0	.0458	.2329	40	4.10	.0134	.1004				
20	.83	.0027	.0217	20	11.6	.0380	.2469	50	3.95	.0129	.1026	a. m.			
30	1.08	.0035	.0222	40	9.47	.0310	.2584	2:00	3.80	.0124	.1047	4:00	.34	.0011	.0200
35	1.14	.0037	.0225	12:00	8.16	.0267	.2680	3:00	3.64	.0119	.1088	8:00	.32	.0010	.0240
44	1.19	.0039	.0231					40	3.49	.0114	.1127	12:00	.30	.0010	.0280
56	1.19	.0039	.0239					50	3.34	.0109	.1164				
2:10	1.08	.0035	.0248					6:00	3.22	.0105	.1200	July 8			
20	.97	.0032	.0254	12:20	7.19	.0235	.2764	7:00	3.10	.0101	.1252	a. m.			
40	.83	.0027	.0264	40	6.52	.0213	.2839	8:00	2.97	.0097	.1302	4:00	.28	.0009	.0040
3:00	.76	.0025	.0273	1:00	5.91	.0193	.2907	9:00	2.84	.0093	.1365	8:00	.26	.0009	.0076
30	.70	.0023	.0285	20	5.35	.0175	.2968	10:00	2.72	.0089	.1426	12:00	.26	.0009	.0112
4:00	.63	.0020	.0296	40	4.98	.0163	.3024	11:00	2.61	.0085	.1498				
40	.56	.0018	.0309	2:00	4.66	.0152	.3077	2:00	2.51	.0082	.1568	a. m.			
5:00	.53	.0017	.0315	40	4.52	.0148	.3127	3:00	2.41	.0079	.1648	4:00	.24	.0008	.0144
50	.50	.0016	.0328	3:04	4.38	.0143	.3232	40	2.32	.0076	.1700	8:00	.23	.0007	.0176
7:00	.48	.0016	.0347	20	3.95	.0129	.3268	50	2.23	.0073	.1762	12:00	.23	.0007	.0204
12:00	.48	.0016	.0427	40	3.49	.0114	.3309	12:30	2.14	.0070	.1822				
				4:00	3.22	.0105	.3346	1:20	2.05	.0067	.2003	July 9			
June 27				20	3.10	.0101	.3380	2:00	1.95	.0064	.2267	a. m.			
a. m.				40	2.97	.0097	.3413	3:00	1.86	.0061	.2515	4:00	.21	.0007	.0028
3:20	.48	.0016	.0053	5:10	2.84	.0093	.3461	4:00	1.77	.0058	.0240	8:00	.20	.0006	.0052
8:20	.45	.0015	.0133	40	2.72	.0089	.3507	5:00	1.69	.0055	.0464	12:00	.18	.0006	.0076
10:00	.45	.0015	.0158	6:10	2.61	.0085	.3551	6:00	1.62	.0053	.0680				
11:30	.43	.0014	.0179	7:00	2.51	.0082	.3621	7:00	1.54	.0050	.0888	July 10			
				8:00	2.41	.0079	.3700	8:00	1.47	.0048	.1084	a. m.			
				9:00	2.32	.0076	.3779	9:00	1.40	.0046	.1272	12:08	.21	.0007	T
				10:20	2.23	.0073	.3878	10:00				3:00	.20	.0006	.0017
				12:00	2.23	.0073	.4000	11:00				10:00	.20	.0006	.0059
June 28								12:00				11:30	.18	.0006	.0063
a. m.				June 29											
4:00	.41	.0013	.0048	1:00	2.14	.0070	.0072					p. m.			
7:45	.41	.0013	.0097	3:00	2.05	.0067	.0208	4:00	1.33	.0044	.0180	1:00	.17	.0006	.0077
50	.53	.0017	.0098	5:40	1.95	.0064	.0384	8:00	1.26	.0041	.0352	3:00	.16	.0005	.0089
56	.63	.0020	.0099	8:20	1.86	.0061	.0549	12:00	1.19	.0039	.0512	5:00	.15	.0005	.0099
56	.83	.0027	.0101	11:20	1.77	.0058	.0729					7:00	.15	.0005	.0109
8:00	1.19	.0039	.0103									10:00	.16	.0005	.0124
02	1.62	.0053	.0105									12:00	.16	.0005	.0134
04	2.41	.0079	.0107												
05	3.10	.0101	.0109	June 30								July 11			
06	4.38	.0143	.0111	a. m.								a. m.			
07	6.11	.0200	.0114	6:00	1.62	.0053	.0318					3:40	.17	.0006	.0022
08	8.67	.0284	.0118	10:20	1.54	.0050	.0543					10:40	.17	.0006	.0064
09	11.6	.0380	.0124												
10	14.4	.0471	.0131												
11	18.0	.0589	.0140												
12	20.8	.0681	.0151												
14	23.2	.0759	.0175												
16	24.9	.0815	.0201												
18	25.7	.0841	.0229												
20	26.6	.0871	.0258												
25	28.4	.0930	.0333												
30	29.0	.0949	.0411												
40	27.5	.0900	.0565												
45	26.0	.0851	.0638												



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
July 11	Second-foot	Inches per hour	Inches	July 13	Second-foot	Inches per hour	Inches	July 16	Second-foot	Inches per hour	Inches	July 21	Second-foot	Inches per hour	Inches
p. m.				a. m.				a. m.				p. m.			
12:20	0.16	0.0005	0.0072	9:00	0.15	0.0005	0.0045	2:00	0.14	0.0005	0.0008	12:30	0.06	0.0002	0.0025
1:00	.16	.0005	.0075	12:00	.14	.0005	.0060	3:00	.13	.0004	.0011	1:40	.05	.0002	.0027
4:8	.15	.0005	.0079					4:20	.12	.0004	.0013	3:00	.05	.0002	.0030
2:00	.17	.0006	.0080	p. m.				5:00	.12	.0004	.0018	4:30	.05	.0002	.0033
3:20	.16	.0005	.0081	2:00	.13	.0004	.0068	7:00	.11	.0004	.0021	8:00	.05	.0002	.0040
4:20	.15	.0005	.0087	4:00	.12	.0004	.0076	10:40	.11	.0004	.0029	10:30	.05	.0002	.0045
5:20	.15	.0005	.0092	7:00	.12	.0004	.0088	11:20	.10	.0003	.0042	12:00	.05	.0002	.0048
6:20	.16	.0005	.0093	11:00	.13	.0004	.0104	12:00	.10	.0003	.0044				
7:20	.16	.0006	.0094	12:00	.13	.0004	.0108					July 22			
8:20	.17	.0006	.0094					p. m.				a. m.			
9:20	.16	.0005	.0097	July 14				1:00	.09	.0003	.0047	3:00	.06	.0002	.0006
10:20	.17	.0006	.0097	a. m.				6:00	.09	.0003	.0062	7:00	.06	.0002	.0014
11:20	.20	.0006	.0100	2:00	.13	.0004	.0008	10:00	.08	.0003	.0074	9:00	.06	.0002	.0018
12:20	.23	.0007	.0100	5:20	.14	.0005	.0025	12:00	.08	.0003	.0080	11:20	.06	.0002	.0021
1:20	.28	.0009	.0100	9:00	.14	.0005	.0043								
2:20	.30	.0010	.0100	11:00	.13	.0004	.0051	July 17				p. m.			
3:20	.32	.0010	.0098					a. m.				12:30	.05	.0002	.0023
4:20	.36	.0012	.0099	p. m.				4:00	.08	.0002	.0012	1:30	.05	.0002	.0025
5:20	.43	.0014	.0100	1:00	.12	.0004	.0059	8:00	.07	.0002	.0020	2:58	.05	.0002	.0028
6:20	.48	.0016	.0101	3:00	.11	.0004	.0067	12:00	.07	.0002	.0028	3:00	.05	.0002	.0028
7:20	.50	.0016	.0101	4:40	.10	.0003	.0074					4:04	.06	.0002	.0028
8:20	.63	.0021	.0102	6:20	.10	.0003	.0079	p. m.				4:06	.07	.0002	.0028
9:20	.83	.0027	.0102	9:00	.11	.0004	.0090	4:00	.07	.0002	.0036	5:08	.08	.0002	.0028
10:20	.83	.0027	.0103	12:00	.12	.0004	.0102	9:00	.07	.0002	.0046	10:10	.10	.0003	.0028
11:20	.97	.0032	.0104	July 15				12:00	.07	.0002	.0052	11:20	.12	.0004	.0028
12:20	.97	.0032	.0109	a. m.								12:30	.14	.0006	.0028
1:20	.92	.0030	.0112	3:00	.12	.0004	.0012	July 18				1:16	.18	.0009	.0029
2:20	.87	.0029	.0114	7:00	.13	.0004	.0028	a. m.				1:59	.50	.0016	.0030
3:20	1.26	.0041	.0115	8:16	.13	.0004	.0033	3:00	.08	.0002	.0006	2:00	.70	.0023	.0030
4:20	1.77	.0058	.0116	2:00	.14	.0005	.0034	6:20	.08	.0002	.0013	2:15	.87	.0029	.0032
5:20	2.23	.0073	.0117	4:40	.13	.0004	.0035	9:00	.08	.0003	.0021	2:25	1.26	.0041	.0032
6:00	2.51	.0082	.0121	5:20	.14	.0005	.0036	10:40	.08	.0002	.0026	3:00	1.62	.0053	.0036
7:00	2.61	.0085	.0122	6:20	.14	.0005	.0036					3:20	2.23	.0073	.0038
8:00	2.51	.0082	.0128	7:20	.15	.0005	.0037	p. m.				3:30	3.10	.0101	.0039
9:00	3.10	.0101	.0133	8:20	.15	.0005	.0040	12:20	.07	.0002	.0029	3:40	4.52	.0148	.0041
10:00	3.49	.0114	.0142	9:00	.15	.0005	.0041	1:40	.07	.0002	.0031	3:50	4.24	.0139	.0043
11:00	3.10	.0101	.0157	10:00	.14	.0005	.0042	6:00	.06	.0002	.0040	4:00	7.19	.0235	.0047
12:00	2.84	.0093	.0160	10:50	.14	.0005	.0047	8:00	.06	.0002	.0044	4:10	10.9	.0357	.0052
1:00	2.61	.0085	.0164	11:45	.20	.0006	.0052	11:00	.07	.0002	.0050	4:20	15.4	.0504	.0066
2:00	2.32	.0076	.0171					12:00	.07	.0002	.0052	4:30	14.7	.0481	.0069
3:00	1.95	.0064	.0177	p. m.								4:40	13.6	.0445	.0114
4:00	1.69	.0055	.0182	12:18	.18	.0006	.0055	July 19				5:00	12.6	.0412	.0128
5:00	1.54	.0050	.0186	2:00	.20	.0007	.0056	a. m.				5:20	11.6	.0380	.0141
6:00	1.47	.0048	.0188	3:00	.23	.0007	.0056	1:00	.07	.0002	.0002	5:40	10.3	.0337	.0153
7:00	1.40	.0046	.0190	4:00	.24	.0008	.0057	5:00	.07	.0002	.0010	5:50	9.47	.0310	.0164
8:00	1.26	.0041	.0194	5:00	.24	.0008	.0057	9:00	.08	.0002	.0018	6:00	8.16	.0267	.0183
9:00	1.14	.0037	.0197	6:00	.23	.0007	.0056	10:20	.08	.0002	.0021	6:10	6.72	.0220	.0203
10:00	1.08	.0035	.0200	7:00	.24	.0008	.0057	12:00	.07	.0002	.0024	6:20	5.71	.0187	.0220
11:00	.97	.0032	.0203	8:00	.23	.0007	.0056					6:30	4.80	.0157	.0234
12:00	.87	.0029	.0208	9:00	.23	.0007	.0058					6:40	3.80	.0124	.0246
1:00	.80	.0026	.0213	10:00	.23	.0007	.0059	p. m.				6:50	3.22	.0105	.0255
2:00	.76	.0025	.0215	11:00	.23	.0007	.0061	1:00	.07	.0002	.0026	7:00	2.72	.0089	.0263
3:00	.73	.0024	.0217	12:00	.23	.0007	.0062	2:20	.06	.0002	.0028	7:10	1.95	.0064	.0276
4:00	.66	.0022	.0221					3:40	.06	.0002	.0030	7:20	1.54	.0050	.0286
5:00	.60	.0019	.0224	July 20				6:00	.05	.0002	.0035	7:30	1.19	.0039	.0294
6:00	.56	.0018	.0227	a. m.				7:40	.05	.0002	.0038	7:40	.97	.0032	.0300
7:00	.53	.0017	.0230	2:00	.14	.0005	.0062	9:00	.06	.0002	.0040	7:50	.83	.0027	.0304
8:00	.50	.0016	.0231	3:00	.15	.0005	.0065	10:00	.06	.0002	.0046	8:00	.83	.0027	.0309
9:00	.53	.0017	.0233	4:00	.14	.0005	.0066					8:10	.87	.0029	.0311
10:00	.50	.0016	.0235	5:00	.14	.0005	.0066	July 21				8:20	.80	.0026	.0314
11:00	.45	.0015	.0240	6:00	.14	.0005	.0065	a. m.				8:30	.76	.0025	.0317
12:00	.41	.0013	.0245	7:00	.12	.0004	.0064	2:00	.07	.0002	.0004	8:40	.76	.0025	.0320
1:00	.38	.0013	.0249	8:00	.11	.0004	.0066	3:00	.07	.0002	.0012	8:50	.83	.0027	.0322
2:00	.34	.0011	.0253	9:00	.11	.0004	.0066	4:00	.07	.0002	.0019	9:00	.83	.0027	.0324
3:00	.32	.0010	.0257	10:00	.10	.0003	.0068	5:00	.07	.0002	.0023	9:10	.73	.0024	.0328
4:00	.30	.0010	.0264	11:00	.08	.0002	.0068	6:00	.06	.0002	.0025	9:20	.73	.0024	.0332
5:00	.28	.0009	.0271	12:00	.07	.0002	.0068	7:00	.06	.0002	.0027	9:30	.76	.0025	.0334
6:00	.28	.0009	.0274					8:00	.06	.0002	.0027	9:40	.87	.0029	.0335
July 12				July 16				9:00	.06	.0002	.0027	9:50	.80	.0026	.0340
a. m.				a. m.				10:00	.06	.0002	.0027	10:00	.80	.0026	.0342
12:20	.26	.0009	.0003	12:40	.16	.0005	.0002	11:20	.06	.0002	.0023	10:10	.73	.0024	.0345
1:40	.24	.0008	.0015	1:20	.15	.0005	.0005					10:20	.66	.0022	.0349
3:20	.23	.0007	.0027					a. m.				10:30	.60	.0019	.0352
5:00	.21	.0007	.0039					2:00	.06	.0002	.0004	10:40	.50	.0016	.0355
6:00	.21	.0007	.0046					3:00	.05	.0002	.0034	10:50	.48	.0016	.0358
8:00	.20	.0006	.0060					4:00	.05	.0002	.0038	11:00	.43	.0014	.0361
11:00	.18	.0006	.0078					5:00	.05	.0002	.0043	11:10	.41	.0013	.0363
12:00	.17	.0006	.0084					6:00	.06	.0002	.0048	11:20	.36	.0012	.0365
												11:30	.34	.0011	.0367
p. m.												11:40	.32	.0010	.0369
1:20	.16	.0005	.0092					July 22				11:50	.30	.0010	.0371
4:00	.15	.0005	.0105					a. m.				12:00	.28	.0009	.0372
12:00	.15	.0005	.0145					2:00	.06	.0002	.0004	12:10	.32	.0010	.0373
								3:00	.07	.0002	.0012	12:20	.34	.0011	.0374
								4:00	.06	.0002	.0023	12:30	.36	.0012	.0376



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
July 22				July 23				July 24				July 25			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
9:00	0.36	0.0012	0.0377	5:19	0.70	0.0023		9:34	0.30	0.0010		1:20	0.32	0.0010	0.0016
:10	.34	.0011	.0379	:20	.92	.0030		:35	.43	.0014		2:00	.28	.0009	.0023
:30	.32	.0010	.0382	:21	1.08	.0035	0.0286	:36	.53	.0017		3:00	.24	.0008	.0031
:40	.30	.0010	.0384	:24	1.08	.0035	.0288	:37	.66	.0022	0.0099	:40	.23	.0007	.0036
:54	.28	.0009	.0386	:26	.92	.0030	.0289	:40	.76	.0025	.0100	4:40	.21	.0007	.0043
10:00	.28	.0009	.0387	:28	.83	.0027	.0290	:45	.73	.0024	.0102	6:40	.18	.0006	.0055
:15	.30	.0010	.0389	:30	.76	.0025	.0291	10:00	.60	.0019	.0107	8:00	.17	.0006	.0063
:20	.30	.0010	.0390	:35	.66	.0022	.0293	:10	.48	.0016	.0110	9:40	.16	.0005	.0073
:30	.28	.0009	.0392	:39	.60	.0019	.0294	:20	.38	.0013	.0112	10:10	.16	.0005	.0076
:40	.26	.0009	.0394	:40	.70	.0023		:30	.34	.0011	.0114	:15	.21	.0007	.0077
:50	.28	.0009	.0396	:42	.92	.0030	.0295	:40	.28	.0009	.0116	:20	.28	.0009	.0078
11:00	.28	.0009	.0398	:44	1.19	.0039	.0296	:50	.24	.0008	.0117	:25	.30	.0010	.0079
:20	.26	.0009	.0401	:48	1.08	.0035	.0298	11:00	.21	.0007	.0118	:32	.30	.0010	.0080
:40	.23	.0007	.0404	:49	1.54	.0050	.0299	:10	.20	.0006	.0119	:40	.36	.0012	.0081
12:00	.21	.0007	.0406	:50	2.41	.0079	.0300	:30	.18	.0006	.0121	:45	.38	.0013	.0082
				:51	3.34	.0109	.0302	12:00	.16	.0005	.0124	11:00	.32	.0010	.0085
				:52	4.24	.0139	.0304					:20	.23	.0007	.0088
				:55	3.95	.0129	.0311					:40	.18	.0006	.0090
				6:00	3.49	.0114	.0321	<i>p. m.</i>							
12:20	.20	.0006	.0002	:10	2.61	.0085	.0338	12:06	.16	.0005	.0125				
:40	.18	.0006	.0004	:15	2.23	.0073	.0345	:15	.17	.0006	.0126	<i>p. m.</i>			
1:10	.17	.0006	.0007	:20	1.86	.0061	.0351	:20	.17	.0006	.0127	1:00	.14	.0005	.0097
:40	.16	.0005	.0010	:30	1.47	.0048	.0360	:40	.16	.0005	.0129	2:00	.12	.0004	.0102
2:10	.15	.0005	.0013	:40	1.14	.0037	.0367	1:00	.15	.0005	.0131	5:00	.11	.0004	.0114
4:00	.13	.0005	.0022	:50	.92	.0030	.0373	2:00	.14	.0005	.0136	7:00	.10	.0003	.0122
5:30	.12	.0004	.0028	7:00	.80	.0026	.0378	:40	.13	.0004	.0139	10:00	.10	.0003	.0131
7:00	.12	.0004	.0034	:10	.73	.0024	.0382	:50	.12	.0004	.0142	12:00	.10	.0003	.0137
9:30	.11	.0004	.0044	:20	.63	.0021	.0386	:55	.18	.0006					
11:10	.10	.0003	.0061	:40	.50	.0016	.0392	:56	.23	.0007					
12:00	.10	.0003	.0063	:48	.50	.0016	.0394	4:00	.30	.0010	.0145	<i>a. m.</i>			
				:50	.56	.0018	.0395	:05	.36	.0012	.0146	9:00	.10	.0003	.0027
				:52	.76	.0025	.0396	:10	.50	.0016	.0147	11:20	.09	.0003	.0034
				:53	.97	.0032		:12	.50	.0016	.0148	<i>p. m.</i>			
12:25	.10	.0003	.0064	:54	1.26	.0041	.0397	:20	.45	.0015	.0150	12:40	.08	.0003	.0038
:30	.11	.0004		:55	2.05	.0067	.0398	:30	.38	.0013	.0152	2:00	.08	.0002	.0042
:32	.14	.0005		:56	2.84	.0093	.0399	:40	.34	.0011	.0155	4:20	.07	.0002	.0047
:34	.16	.0005		:57	4.24	.0139	.0401	:50	.30	.0010	.0157	5:40	.07	.0002	.0050
:36	.20	.0006		:58	6.11	.0200	.0404	:55	.24	.0008	.0159	6:20	.07	.0002	.0051
:37	.26	.0009		8:00	5.35	.0175	.0410	5:00	.21	.0007	.0160	:35	.08	.0003	.0052
:38	.36	.0012		:02	4.80	.0157	.0415	:10	.20	.0006	.0161	7:00	.09	.0003	.0053
:39	.50	.0016		:03	15.8	.0517	.0421	:20	.20	.0006	.0162	:20	.10	.0003	.0054
:40	.66	.0022		:04	35.6	.116	.0435	:30	.17	.0006	.0162	:25	.14	.0005	
:42	.73	.0024	.0065	:05	40.8	.133	.0456	:40	.16	.0005	.0163	:26	.17	.0006	
:45	.70	.0023	.0068	:06	41.9	.137	.0479	6:00	.15	.0005	.0165	:28	.23	.0007	
:50	.53	.0017	.0068	:09	41.9	.137	.0543	:20	.14	.0005	.0167	:30	.32	.0010	
:52	.48	.0016	.0069	:10	40.0	.130	.0571	7:00	.12	.0004	.0170	:31	.45	.0015	
:53	.76	.0025		:15	36.3	.119	.0674	8:40	.11	.0004	.0177	:32	.70	.0023	.0055
:54	1.26	.0041	.0070	:20	30.9	.101	.0765	:45	.15	.0005		:33	.92	.0030	
:55	2.23	.0073	.0071	:25	26.6	.0870	.0843	:46	.17	.0006		:36	.80	.0026	.0056
:56	3.34	.0109	.0073	:30	22.7	.0742	.0910	:48	.23	.0007		:40	.60	.0019	.0057
:57	6.32	.0207	.0076	:35	18.4	.0602	.0966	:50	.32	.0010		:45	.45	.0015	.0058
:58	6.52	.0213	.0080	:40	13.6	.0445	.1009	:51	.53	.0017		:50	.38	.0013	.0059
1:02	6.52	.0213	.0094	:42	11.6	.0380	.1023	:52	.92	.0035	.0178	:55	.34	.0011	.0060
:03	8.16	.0267	.0098	:45	10.0	.0327	.1041	:53	.92	.0035	.0179	8:00	.34	.0011	.0061
:04	7.66	.0251	.0102	:50	8.16	.0267	.1066	:55	.73	.0024	.0182	:05	.41	.0013	.0062
:05	7.19	.0235	.0106	:55	6.96	.0228	.1087	9:00	.56	.0018	.0184	:08	.50	.0016	.0063
:10	6.32	.0207	.0124	9:00	6.11	.0200	.1105	:05	.56	.0018		:09	.63	.0021	
:15	5.71	.0187	.0140	:05	4.98	.0163	.1120	:06	.56	.0018		:10	.76	.0025	
:20	4.98	.0163	.0155	:10	4.38	.0143	.1138	:07	1.54	.0050	.0185	:11	.97	.0032	.0064
:25	4.10	.0134	.0167	:15	3.80	.0124	.1144	:08	2.41	.0079	.0186	:12	1.26	.0041	.0065
:30	3.94	.0109	.0177	:20	3.22	.0105	.1154	:09	2.23	.0073	.0187	:14	1.40	.0046	.0066
:35	2.84	.0093	.0185	:25	2.54	.0093	.1169	:10	2.84	.0093	.0188	:20	1.19	.0039	.0070
:40	2.41	.0079	.0192	:30	2.51	.0092	.1182	:11	3.95	.0169	.0190	:22	1.19	.0039	.0071
:45	2.05	.0067	.0198	:40	2.14	.0070	.1182	:12	5.16	.0267	.0192	:23	2.23	.0073	.0072
:50	1.69	.0055	.0203	:50	1.77	.0053	.1193	:13	6.52	.0213	.0195	:24	3.49	.0114	.0074
:55	1.54	.0050	.0207	10:00	1.54	.0050	.1202	:14	8.16	.0267	.0199	:25	5.53	.0181	.0076
2:00	1.54	.0050	.0211	:20	1.19	.0039	.1217	:16	9.75	.0319	.0209	:26	9.19	.0301	.0080
:10	1.33	.0044	.0219	:40	.97	.0032	.1229	:18	11.2	.0366	.0220	:28	10.0	.0327	.0090
:20	1.14	.0037	.0226	11:00	.83	.0027	.1239	:20	11.2	.0366	.0232	:30	10.3	.0337	.0101
:30	.87	.0029	.0231	:20	.76	.0025	.1248	:25	7.43	.0243	.0243	:32	10.0	.0327	.0112
:40	.76	.0025	.0236	:40	.70	.0023	.1256	:30	5.91	.0193	.0244	:35	10.3	.0337	.0129
:45	.92	.0030	.0238	12:00	.63	.0021	.1263	:35	4.66	.0152	.0245	:40	9.47	.0310	.0156
:50	.92	.0030	.0240					:40	3.64	.0119	.0247	:45	7.66	.0251	.0202
:55	.97	.0032	.0243					:45	3.22	.0105	.0248	:50	6.52	.0213	.0221
3:00	.92	.0030	.0246					:50	2.41	.0079	.0251	:55	5.53	.0181	.0237
:10	.50	.0026	.0251	July 24				:55	2.41	.0079	.0251	9:00	4.66	.0152	.0251
:20	.73	.0024	.0255	<i>a. m.</i>				:00	1.77	.0053	.0253	:05	4.10	.0134	.0263
:30	.66	.0022	.0259	12:20	.56	.0018	.0007	:10	1.47	.0048	.0257	:10	3.34	.0109	.0273
:40	.56	.0018	.0262	:30	.53	.0017	.0010	:20	1.19	.0039	.0259	:15	3.10	.0101	.0282
:50	.45	.0016	.0265	:40	.48	.0016	.0013	:30	.97	.0032	.0261	:20	2.41	.0079	.0297
4:00	.41	.0013	.0268	:50	.45	.0015	.0015	:40	.87	.0029	.0263	:30	1.86	.0061	.0309
:10	.36	.0012	.0270	:00	.43	.0014	.0016	:50	.76	.0025	.0265	:40	1.47	.0048	.0318
:15	.53	.0017	.0271	:10	.41	.0013	.0018	11:00	.73	.0024	.0267	:50	1.19	.0039	.0325
:20	.53	.0017	.0272	:20	.38	.0013	.0019	:10	.63	.0021	.0269	10:00	.97	.0032	.0331
:30	.43	.0014	.0275	:30	.36	.0012	.0020	:20	.56	.0018	.0271	:10	.83	.0027	.0336
:40	.36	.0012	.0277	:40	.30	.0010	.0021	:30	.50	.0016	.0273	:20	.76	.0025	.0340
:50	.32	.0010	.0279	:50	.26	.0009	.0022	:40	.50	.0016	.0275	:30	.70	.0023	.0344
5:00	.28	.0009	.0281	6:00	.24	.0008	.0023	12:00	.45	.0015	.0277	:40	.60	.0019	.0348
:05	.26	.0009	.0282	7:00	.21	.0007	.0024					:50	.53	.0017	.0351
:10	.28	.0009	.0283	8:00	.20	.0006	.0025	<i>a. m.</i>				:00	.45	.0015	.0356
:12	.32	.0010		9:00	.18	.0006	.0026	12:20	.41	.0013	.0005	:10	.38	.0013	.0361
:15	.41	.0013	.0284	:00	.17	.0									



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
July 27				July 31				Aug. 6				Aug. 11			
a. m.				p. m.				a. m.				a. m.			
12:20	0.32	0.0010	0.0004	1:00	0.04	0.0001	0.0024	10:00	0.05	0.0002	0.0011	1:00	0.03	0.0001	0.0001
:50	.28	.0009	.0009	4:00	.04	.0001	.0027	:20	.07	.0002	.0012	3:00	.03	.0001	.0003
1:00	.26	.0009	.0011	8:00	.04	.0001	.0031	:40	.07	.0002	.0013	5:00	.03	.0001	.0005
:30	.24	.0008	.0016	10:00	.04	.0001	.0033	11:10	.07	.0002	.0014	8:00	.04	.0001	.0008
2:00	.23	.0007	.0020	12:00	.04	.0001	.0035	:40	.08	.0002	.0015	10:00	.04	.0001	.0010
3:00	.20	.0006	.0027					12:00	.07	.0002	.0016	11:30	.03	.0001	.0011
4:00	.18	.0006	.0033	Aug. 1				p. m.				p. m.			
5:20	.17	.0006	.0041	a. m.				12:40	.07	.0002	.0018	1:00	.03	.0001	.0012
7:00	.16	.0005	.0051	1:00	.05	.0002	.0002	2:00	.06	.0002	.0021	3:00	.03	.0001	.0014
9:00	.15	.0005	.0061	4:00	.05	.0002	.0008	3:00	.05	.0002	.0023	5:30	.03	.0001	.0017
11:00	.14	.0005	.0071	9:00	.05	.0002	.0018	5:00	.05	.0002	.0027	10:00	.03	.0001	.0022
12:00	.13	.0004	.0076	11:00	.05	.0002	.0022	:10	.07	.0002	.0028	12:00	.03	.0001	.0024
p. m.				p. m.				:20	.08	.0003	.0028				
1:00	.12	.0004	.0080	12:20	.04	.0001	.0025	:40	.09	.0003	.0029	Aug. 12			
:40	.11	.0004	.0083	1:30	.04	.0001	.0026	6:00	.10	.0003	.0030	a. m.			
2:30	.10	.0003	.0086	3:00	.04	.0001	.0028	:20	.10	.0003	.0031	4:00	.03	.0001	.0004
3:30	.10	.0003	.0089	5:00	.03	.0001	.0030	:30	.10	.0003	.0032	8:00	.03	.0001	.0008
5:00	.09	.0003	.0094	7:00	.03	.0001	.0032	:50	.10	.0003	.0033	9:30	.03	.0001	.0009
12:00	.09	.0003	.0115	10:30	.04	.0001	.0035	7:00	.10	.0003	.0034	12:00	.03	.0001	.0012
July 28				12:00	.04	.0001	.0037	:20	.11	.0004	.0036	p. m.			
a. m.				Aug. 2				:40	.10	.0003	.0037	1:30	.03	.0001	.0013
1:00	.09	.0003	.0003	a. m.				8:00	.10	.0003	.0038	3:30	.03	.0001	.0015
4:00	.10	.0003	.0012	1:00	.04	.0001	.0001	:30	.08	.0003	.0040	5:00	.02	.0001	.0016
9:00	.10	.0003	.0027	3:00	.04	.0001	.0003	9:00	.08	.0002	.0041	6:00	.02	.0001	.0017
11:30	.09	.0003	.0035	4:00	.04	.0001	.0004	10:00	.07	.0002	.0043	9:00	.03	.0001	.0020
p. m.				7:00	.05	.0002	.0007	11:00	.06	.0002	.0045	12:00	.03	.0001	.0023
12:40	.08	.0003	.0038	10:00	.05	.0002	.0013	12:00	.06	.0002	.0047				
2:00	.08	.0002	.0042	12:00	.04	.0001	.0017	Aug. 7				a. m.			
4:20	.07	.0002	.0047	p. m.				5:00	.05	.0002	.0010	2:00	.03	.0001	.0002
10:00	.07	.0002	.0058	1:20	.04	.0001	.0018	7:00	.05	.0002	.0014	4:00	.03	.0001	.0004
12:00	.07	.0002	.0062	2:30	.04	.0001	.0019	11:00	.05	.0002	.0022	7:30	.03	.0001	.0008
July 29				4:00	.03	.0001	.0021	p. m.				10:30	.03	.0001	.0011
a. m.				10:00	.03	.0001	.0027	12:30	.05	.0002	.0025	p. m.			
4:00	.08	.0002	.0008	12:00	.04	.0001	.0029	2:00	.04	.0001	.0027	1:00	.03	.0001	.0014
10:00	.08	.0002	.0020	Aug. 3				3:30	.04	.0001	.0029	3:30	.03	.0001	.0017
11:30	.07	.0002	.0023	a. m.				5:00	.04	.0001	.0031	5:00	.02	.0001	.0018
p. m.				2:00	.04	.0001	.0002	10:00	.04	.0001	.0036	6:30	.02	.0001	.0019
12:40	.07	.0002	.0025	4:30	.04	.0001	.0005	12:00	.04	.0001	.0038	10:00	.03	.0001	.0023
1:15	.07	.0002	.0026	7:30	.05	.0002	.0008	Aug. 8				12:00	.03	.0001	.0025
:30	.07	.0002	.0027	10:00	.04	.0001	.0013	a. m.							
2:20	.07	.0002	.0029	12:00	.04	.0001	.0015	4:00	.04	.0001	.0004	Aug. 14			
:25	.14	.0005		p. m.				11:00	.04	.0001	.0011	a. m.			
:26	.21	.0007		1:30	.04	.0001	.0017	p. m.				1:00	.03	.0001	.0001
:27	.38	.0013		3:00	.03	.0001	.0019	1:00	.04	.0001	.0013	2:30	.03	.0001	.0002
:28	.56	.0018		4:30	.03	.0001	.0021	2:30	.04	.0001	.0016	3:20	.03	.0001	.0003
:30	.73	.0024	.0030	10:00	.03	.0001	.0027	4:00	.03	.0001	.0018	4:00	.03	.0001	.0004
:40	.60	.0019	.0034	12:00	.03	.0001	.0029	5:00	.03	.0001	.0019	:20	.04	.0001	
:50	.48	.0016	.0037	Aug. 4				8:00	.04	.0001	.0020	4:50	.04	.0001	.0005
3:00	.36	.0012	.0039	a. m.				6:20	.04	.0001	.0021	7:30	.04	.0001	.0007
:10	.30	.0010	.0041	1:00	.04	.0001	.0001	8:00	.03	.0001	.0023	8:30	.04	.0001	.0008
:20	.24	.0008	.0043	3:00	.04	.0001	.0003	12:00	.03	.0001	.0027	10:00	.04	.0001	.0010
:30	.21	.0007	.0044	6:20	.04	.0001	.0006	Aug. 9				11:20	.03	.0001	.0011
:40	.17	.0006	.0045	10:00	.04	.0001	.0010	a. m.				p. m.			
:50	.15	.0005	.0046	11:30	.04	.0001	.0012	2:00	.04	.0001	.0002	1:00	.03	.0001	.0013
4:00	.14	.0005	.0047	p. m.				6:00	.04	.0001	.0006	:40	.03	.0001	.0014
:20	.12	.0004	.0049	1:00	.04	.0001	.0014	9:00	.04	.0001	.0009	:50	.04	.0001	
:40	.10	.0003	.0050	3:00	.03	.0001	.0016	10:00	.04	.0001	.0010	2:00	.05	.0002	
5:00	.09	.0003	.0051	4:20	.03	.0001	.0017	p. m.				:10	.08	.0002	
:40	.08	.0002	.0052	5:00	.03	.0001	.0018	12:20	.04	.0001	.0012	:12	.12	.0004	
6:00	.07	.0002	.0053	7:00	.03	.0001	.0020	2:00	.04	.0001	.0014	:13	.36	.0012	
7:00	.07	.0002	.0055	10:00	.04	.0001	.0023	4:00	.03	.0001	.0016	:14	1.02	.0033	.0015
8:40	.06	.0002	.0058	12:00	.04	.0001	.0025	6:00	.03	.0001	.0018	:15	3.10	.0101	.0016
12:00	.07	.0002	.0065	Aug. 5				10:00	.03	.0001	.0022	:16	6.32	.0207	.0019
July 30				2:00	.04	.0001	.0002	12:00	.03	.0001	.0024	:17	12.6	.0412	.0024
a. m.				5:00	.05	.0002	.0005	Aug. 10				:19	12.6	.0412	.0038
5:00	.07	.0002	.0010	8:00	.05	.0002	.0011	a. m.				:20	11.9	.0389	.0045
8:00	.07	.0002	.0016	10:30	.04	.0001	.0016	3:00	.04	.0001	.0003	:25	10.0	.0327	.0075
10:00	.07	.0002	.0020	p. m.				5:00	.04	.0001	.0005	:30	8.42	.0276	.0100
11:20	.06	.0002	.0023	12:00	.04	.0001	.0031	7:00	.04	.0001	.0007	:35	7.19	.0235	.0121
p. m.				Aug. 6				10:00	.04	.0001	.0010	:40	6.32	.0207	.0139
12:30	.06	.0002	.0025	12:20	.04	.0001	.0018	p. m.				:45	5.35	.0175	.0155
2:00	.05	.0002	.0028	2:00	.04	.0001	.0020	1:30	.03	.0001	.0013	:50	4.66	.0152	.0168
4:00	.04	.0001	.0032	3:30	.03	.0001	.0022	3:00	.03	.0001	.0015	:55	4.10	.0134	.0180
9:00	.04	.0001	.0037	6:00	.03	.0001	.0025	5:00	.03	.0001	.0016	3:00	3.34	.0109	.0190
10:30	.05	.0002	.0039	10:00	.03	.0001	.0029	7:00	.04	.0001	.0017	:05	2.72	.0089	.0198
12:00	.05	.0002	.0042	12:00	.04	.0001	.0031	10:00	.04	.0001	.0018	:10	2.32	.0076	.0205
July 31				Aug. 6				12:00	.04	.0001	.0012	:15	1.86	.0061	.0211
a. m.				4:00	.04	.0001	.0004	p. m.				:20	1.69	.0055	.0216
12:40	.05	.0002	.0001	8:00	.04	.0001	.0008	1:30	.03	.0001	.0013	:30	1.33	.0044	.0224
3:00	.05	.0002	.0006	9:40	.04	.0001	.0010	3:30	.03	.0001	.0015	:40	.97	.0032	.0230
6:00	.06	.0002	.0012					8:00	.03	.0001	.0019	:50	.80	.0026	.0235
8:00	.06	.0002	.0016					10:00	.03	.0001	.0021	4:00	.66	.0022	.0239
11:00	.05	.0002	.0022					12:00	.03	.0001	.0023	:10	.53	.0017	.0242
												:20	.45	.0015	.0245
												:30	.38	.0013	.0247



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-feet	Inches per hour			Second-feet	Inches per hour			Second-feet	Inches per hour			Second-feet	Inches per hour	
Aug. 14				Aug. 21				Aug. 26				Aug. 27			
p. m.				p. m.				a. m.				a. m.			
4:40	0.34	0.0011	0.0249	4:20	0.03	0.0001	0.0017	12:05	0.32	0.0010	0.0001	1:04	1.40	0.0046	0.0008
5:00	.30	.0010	.0251	4:35	.03	.0001		10:10	.34	.0011	.0002	1:05	2.41	.0079	.0009
5:12	.32	.0010	.0254	5:00	.04	.0001		11:15	.41	.0013	.0003	1:06	2.84	.0093	.0010
5:22	.30	.0010	.0256	7:20	.04	.0001	.0020	12:20	.56	.0018	.0004	1:08	2.72	.0089	.0013
5:35	.28	.0009	.0258	8:30	.04	.0001		12:22	.76	.0025	.0005	1:10	3.34	.0109	.0016
6:00	.32	.0010	.0260	8:50	.04	.0001		12:23	1.02	.0033		1:11	4.52	.0148	.0018
6:10	.30	.0010	.0262	9:00	.04	.0001	.0021	12:24	1.54	.0050	.0006	1:12	6.32	.0207	.0021
6:20	.32	.0010	.0264	9:00	.04	.0001	.0022	12:25	2.05	.0067	.0007	1:13	7.43	.0243	.0025
6:40	.28	.0009	.0266	10:00	.04	.0001	.0023	12:26	2.61	.0085	.0008	1:14	8.42	.0276	.0029
7:00	.23	.0007	.0269	11:00	.03	.0001	.0024	12:27	2.72	.0089	.0009	1:18	7.90	.0258	.0047
7:05	.23	.0007	.0272	12:00	.04	.0001		12:28	2.61	.0085	.0010	1:20	10.6	.0347	.0057
7:10	.23	.0007	.0273					12:30	2.41	.0079	.0013	1:25	9.19	.0301	.0084
7:15	.28	.0009	.0274	Aug. 22				12:32	2.14	.0070	.0016	1:30	8.16	.0267	.0108
7:25	.32	.0010	.0275	a. m.				12:33	2.14	.0070	.0017	1:35	6.96	.0228	.0133
7:40	.32	.0010	.0277	10:00	.04	.0001	.0010	12:34	3.34	.0109	.0019	1:40	6.32	.0207	.0155
7:45	.26	.0009	.0280	12:00	.03	.0001	.0012	12:35	5.16	.0169	.0021	1:42	5.91	.0193	.0162
8:00	.21	.0007	.0282					12:36	6.96	.0228	.0024	1:46	6.52	.0213	.0176
8:10	.18	.0006	.0284	p. m.				12:38	5.91	.0193	.0031	1:52	6.52	.0213	.0197
8:20	.16	.0005	.0286	1:30	.03	.0001	.0014	12:39	5.71	.0187	.0034	1:54	7.66	.0251	.0205
8:30	.15	.0005	.0288	4:30	.03	.0001	.0017	12:40	8.16	.0267	.0038	1:56	8.93	.0292	.0214
8:40	.14	.0005	.0289	4:40	.03	.0001		12:41	10.9	.0357	.0043	2:00	8.67	.0284	.0233
8:50	.12	.0004	.0292	4:50	.03	.0001		12:42	13.6	.0445	.0050	2:05	8.16	.0267	.0256
9:00	.11	.0004	.0293	5:00	.04	.0001		12:44	12.9	.0422	.0064	2:10	7.19	.0235	.0277
9:10	.10	.0003	.0295	5:20	.05	.0002	.0018	12:46	13.6	.0445	.0078	2:15	6.11	.0200	.0295
9:20	.10	.0003	.0297	6:00	.05	.0002	.0019	12:50	12.6	.0412	.0107	2:20	4.98	.0163	.0310
9:30	.09	.0003	.0299	6:40	.04	.0002	.0020	12:52	16.2	.0530	.0123	2:25	4.24	.0139	.0323
9:40	.08	.0003	.0301	7:40	.04	.0001	.0021	12:54	14.4	.0471	.0140	2:30	3.49	.0114	.0333
Aug. 15				9:00	.04	.0001	.0022	12:56	12.9	.0422	.0155	2:35	2.97	.0097	.0342
a. m.				12:00	.04	.0001	.0025	12:58	11.9	.0389	.0168	2:40	2.51	.0082	.0350
1:00	.08	.0002	.0003	Aug. 23				1:00	10.3	.0337	.0180	2:45	2.23	.0073	.0356
1:30	.07	.0002	.0006	a. m.				1:02	9.47	.0310	.0191	2:50	1.86	.0061	.0362
2:00	.07	.0002	.0009	12:00	.04	.0001	T	1:04	8.16	.0267	.0201	2:55	1.62	.0053	.0367
2:30	.06	.0002	.0013	1:00	.04	.0001	.0001	1:08	6.72	.0220	.0217	3:00	1.47	.0048	.0371
3:00	.06	.0002	.0017	2:30	.05	.0002	.0003	1:10	5.91	.0193	.0224	3:10	1.19	.0039	.0378
3:30	.05	.0002	.0021	3:40	.05	.0002	.0006	1:15	4.80	.0157	.0239	3:20	.97	.0032	.0384
4:00	.05	.0002	.0025	4:10	.05	.0002	.0007	1:20	3.80	.0124	.0251	3:30	.83	.0027	.0389
p. m.				4:40	.05	.0002	.0007	1:25	3.10	.0101	.0260	3:40	.73	.0024	.0393
2:00	.05	.0002	.0029	5:00	.05	.0002	.0007	1:30	2.61	.0085	.0268	3:50	.64	.0022	.0397
2:30	.05	.0002	.0033	6:00	.05	.0002	.0011	1:35	2.23	.0073	.0275	4:00	.56	.0018	.0400
3:00	.05	.0002	.0037	7:00	.04	.0001	.0014	1:40	1.86	.0061	.0281	4:20	.45	.0015	.0406
3:30	.05	.0002	.0041	8:00	.04	.0001	.0016	1:50	1.40	.0046	.0290	4:40	.38	.0013	.0411
4:00	.05	.0002	.0044	9:00	.03	.0001	.0018	2:00	1.08	.0035	.0297	5:00	.34	.0011	.0415
4:30	.04	.0001	.0046	11:00	.04	.0001	.0016	2:10	.87	.0029	.0302	5:20	.28	.0009	.0418
5:00	.04	.0001	.0047	p. m.				2:20	.76	.0025	.0307	5:40	.26	.0009	.0421
Aug. 16				1:00	.04	.0001	.0018	2:30	.63	.0021	.0311	6:00	.23	.0007	.0424
a. m.				2:30	.03	.0001	.0020	2:40	.53	.0017	.0314	6:20	.21	.0007	.0426
6:00	.04	.0001	.0006	3:00	.03	.0001	.0023	2:50	.45	.0015	.0317	7:00	.18	.0006	.0430
6:30	.04	.0001	.0009	4:00	.03	.0001	.0027	3:00	.41	.0013	.0319	7:40	.16	.0005	.0434
7:00	.04	.0001	.0012	5:00	.03	.0001	.0030	3:10	.34	.0011	.0323	8:35	.15	.0005	.0439
p. m.				6:00	.03	.0001		3:20	.28	.0009	.0326	8:40	.16	.0005	
12:00	.04	.0001	.0024	7:00	.03	.0001		3:40	.23	.0007	.0329	8:45	.17	.0006	.0440
Aug. 17-18				8:00	.03	.0001	.0005	4:00	.20	.0006	.0331	8:50	.18	.0006	.0441
Aug. 19				9:00	.03	.0001	.0009	4:20	.18	.0006	.0333	9:00	.21	.0007	.0442
p. m.				12:00	.03	.0001	.0012	4:40	.16	.0005	.0335	1:10	.23	.0007	.0443
1:00	.05	.0002	.0026	p. m.				5:00	.15	.0005	.0337	1:15	.28	.0009	.0444
1:30	.06	.0002	.0028	2:30	.03	.0001	.0015	5:20	.14	.0005	.0340	1:17	.32	.0010	
2:00	.06	.0002	.0032	4:20	.03	.0001	.0017	5:40	.13	.0004	.0342	1:20	.43	.0014	.0445
2:30	.05	.0002	.0035	5:00	.03	.0001	.0023	6:00	.12	.0004	.0343	1:25	.60	.0019	.0446
3:00	.04	.0001	.0038	6:00	.03	.0001	.0025	6:20	.12	.0004	.0345	1:30	.70	.0023	
3:30	.04	.0001	.0041	7:00	.03	.0001	.0015	6:40	.11	.0004	.0347	1:35	.80	.0026	.0447
Aug. 20				8:00	.03	.0001	.0017	7:05	.13	.0004	.0349	1:40	.92	.0030	.0448
a. m.				9:00	.03	.0001	.0019	8:30	.12	.0004	.0353	1:45	1.08	.0035	.0449
4:00	.05	.0002	.0003	10:00	.03	.0001	.0021	9:00	.11	.0004	.0356	1:50	1.40	.0046	.0450
4:30	.05	.0002	.0006	11:00	.03	.0001	.0023	9:30	.10	.0003	.0358	1:55	1.86	.0061	.0452
5:00	.04	.0001	.0009	12:00	.03	.0001	.0025	10:00	.09	.0003	.0363	2:00	2.41	.0079	.0454
5:30	.04	.0001	.0012	Aug. 24				10:30	.09	.0003	.0366	2:05	2.72	.0089	.0457
6:00	.04	.0001	.0015	a. m.				11:00	.08	.0002	.0367	2:10	3.10	.0101	.0460
6:30	.04	.0001	.0018	1:00	.04	.0001	.0014	11:30	.07	.0002	.0369	2:15	4.24	.0139	.0464
7:00	.04	.0001	.0020	2:00	.04	.0001	.0017	12:00	.06	.0002	.0374	2:20	5.16	.0169	.0467
p. m.				3:00	.04	.0001	.0019	12:30	.06	.0002	.0380	2:25	6.32	.0207	.0470
1:00	.04	.0001	.0023	4:00	.04	.0001	.0021	1:00	.06	.0002	.0384	2:30	7.66	.0251	.0474
1:30	.04	.0001	.0025	5:00	.04	.0001	.0023	1:05	.06	.0002	.0388	2:35	10.9	.0357	.0479
2:00	.04	.0001	.0026	6:00	.04	.0001	.0025	1:10	.06	.0002	.0391	2:40	15.1	.0494	.0486
Aug. 21				7:00	.04	.0001	.0027	1:15	.06	.0002	.0394	2:45	22.4	.0732	.0496
a. m.				8:00	.04	.0001	.0029	1:20	.06	.0002	.0397	2:50	24.2	.0791	.0519
2:00	.04	.0001	.0032	9:00	.04	.0001	.0031	1:25	.06	.0002	.0400	2:55	25.8	.0844	.0574
2:30	.04	.0001	.0035	10:00	.04	.0001	.0033	1:30	.06	.0002	.0403	3:00	24.6	.0804	.0629
3:00	.04	.0001	.0038	11:00	.04	.0001	.0035	1:35	.06	.0002	.0406	3:05	23.9	.0782	.0655
3:30	.04	.0001	.0041	12:00	.04	.0001	.0037	1:40	.06	.0002	.0409	3:10	23.9	.0782	.0707
Aug. 22				1:00	.04	.0001	.0039	1:45	.06	.0002	.0412	3:15	25.5	.0834	.0734
a. m.				2:00	.04	.0001	.0041	1:50	.06	.0002	.0415	3:20	28.0	.0916	.0763
2:00	.04	.0001	.0044	3:00	.04	.0001	.0043	1:55	.06	.0002	.0418	3:25	32.3	.106	.0796
2:30	.04	.0001	.0047	4:00	.04	.0001	.0045	2:00	.06	.0002	.0421	3:30	35.9	.117	.0833
3:00	.04	.0001	.0050	5:00	.04	.0001	.0047	2:05	.06	.0002	.0424	3:35	35.9		



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days	Date and time	Instantaneous rate of run-off			Accumulated run-off by days					
Aug. 27	Second-feet	Inches per hour	Inches		Aug. 27	Second-feet	Inches per hour	Inches		Aug. 29	Second-feet	Inches per hour	Inches		Aug. 30	Second-feet	Inches per hour	Inches	
a. m.					p. m.					p. m.					p. m.				
10:40	36.6	0.120	0.1315		10:00	8.67	0.0284	0.3511		5:50	4.52	0.0148	0.0332		12:10	11.9	0.0389	0.2834	
:45	35.6	.116	.1413		:05	7.66	.0251	.3533		:55	4.80	.0157	.0345		:20	11.2	.0366	.2897	
:50	31.6	.103	.1504		:10	6.96	.0228	.3553		6:00	5.91	.0193	.0360		:30	10.6	.0347	.2956	
:55	28.6	.0935	.1586		:20	5.71	.0187	.3588		:05	6.72	.0220	.0377		:40	9.75	.0319	.3012	
11:00	25.5	.0834	.1660		:30	4.80	.0157	.3617		:08	7.43	.0243	.0389		1:00	8.16	.0267	.3110	
:05	22.7	.0742	.1725		:40	4.24	.0139	.3642		:15	7.66	.0251	.0405		:20	7.19	.0235	.3194	
:10	19.3	.0632	.1782		:50	3.64	.0119	.3664		:20	8.16	.0267	.0427		:40	6.72	.0220	.3270	
:15	15.8	.0517	.1830		11:00	3.10	.0101	.3682		:30	6.96	.0228	.0468		2:00	6.32	.0207	.3341	
:20	12.2	.0399	.1868		:10	2.72	.0089	.3698		:40	5.91	.0193	.0503		:20	5.53	.0181	.3406	
:25	13.3	.0435	.1903		:20	2.51	.0082	.3712		:45	5.53	.0181	.0519		:40	4.98	.0163	.3463	
:30	8.16	.0267	.1932		:30	2.32	.0076	.3725		:55	5.35	.0175	.0549		3:00	4.52	.0148	.3515	
:35	6.96	.0228	.1953		:40	2.14	.0070	.3737		7:00	5.91	.0193	.0564		:20	4.24	.0139	.3563	
:40	6.11	.0200	.1971		:50	1.95	.0064	.3748		:05	6.11	.0200	.0580		:40	3.80	.0124	.3607	
:50	4.98	.0163	.2001		12:00	1.86	.0061	.3758		:08	6.32	.0207	.0590		4:00	3.49	.0114	.3647	
12:00	4.10	.0134	.2026							:10	7.19	.0235	.0597		:20	3.10	.0101	.3683	
					Aug. 28					:15	7.66	.0251	.0617		:40	2.97	.0097	.3716	
					a. m.					:20	9.47	.0310	.0642		5:00	3.10	.0101	.3749	
p. m.					12:20	1.62	.0053	.0019		:30	8.16	.0267	.0690		:20	3.22	.0105	.3783	
12:10	3.22	.0105	.2046		:40	1.47	.0048	.0036		:40	6.72	.0220	.0731		6:00	3.22	.0105	.3853	
:20	2.51	.0082	.2062		:50	1.33	.0044	.0051		:50	5.35	.0175	.0764		:20	2.97	.0097	.3887	
:30	2.23	.0073	.2075		1:00	1.26	.0041	.0065		8:00	4.52	.0148	.0791		:40	2.72	.0089	.3918	
:40	1.86	.0061	.2086		:20	1.14	.0037	.0078		:10	3.95	.0129	.0814		7:00	2.61	.0085	.3947	
:50	1.62	.0053	.2096		:40	1.08	.0035	.0090		:20	3.34	.0109	.0834		:20	2.51	.0082	.3975	
1:00	1.47	.0048	.2104		2:00	.97	.0032	.0107		:30	2.97	.0097	.0851		:40	2.41	.0079	.4002	
:10	1.33	.0044	.2112		:30	.87	.0029	.0122		:40	2.72	.0089	.0867		8:00	2.32	.0076	.4028	
:20	1.19	.0039	.2119		3:00	.83	.0027	.0136		9:00	2.32	.0076	.0894		:30	2.23	.0073	.4065	
:40	.97	.0032	.2131		:30	.83	.0027	.0136		:20	1.95	.0064	.0917		9:00	2.14	.0070	.4101	
2:00	.83	.0027	.2141		4:00	.80	.0026	.0149		:40	1.77	.0058	.0937		:30	2.05	.0067	.4135	
:10	.80	.0026	.2146		:40	.76	.0025	.0166		10:00	1.54	.0050	.0955		10:00	1.95	.0064	.4168	
:30	.76	.0025	.2155		5:00	.73	.0024	.0174		:20	1.47	.0048	.0971		:40	1.86	.0061	.4209	
3:20	.76	.0025	.2176		:50	.70	.0023	.0193		:40	1.33	.0044	.0986		11:00	1.77	.0058	.4238	
:30	.80	.0026	.2180		7:00	.63	.0021	.0219		11:00	1.26	.0041	.1000		12:00	1.69	.0055	.4294	
:40	.80	.0026	.2184		8:00	.56	.0018	.0238		:20	1.14	.0037	.1013						
:45	.92	.0030	.2186		9:00	.53	.0017	.0256		:40	1.08	.0035	.1025						
:50	.92	.0030	.2188		11:00	.45	.0015	.0288		12:00	1.02	.0033	.1036						
4:00	.83	.0027	.2193												Aug. 31				
:20	.80	.0026	.2202		p. m.					Aug. 30					a. m.				
:40	.73	.0024	.2210		1:00	.41	.0013	.0316		12:20	.97	.0032	.0011		2:00	1.54	.0050	.0106	
5:00	.70	.0023	.2218		3:30	.38	.0013	.0349		a. m.					3:00	1.47	.0048	.0155	
:30	.70	.0023	.2220		5:00	.36	.0012	.0367		1:00	.87	.0029	.0031		4:30	1.40	.0046	.0226	
:45	.73	.0024	.2226		6:30	.34	.0011	.0385		:40	.83	.0027	.0048		7:00	1.26	.0041	.0336	
6:00	.70	.0023	.2232		8:00	.32	.0010	.0400		3:00	.87	.0029	.0085		8:30	1.19	.0039	.0396	
:10	.76	.0025	.2236		11:00	.30	.0010	.0430		:30	.92	.0030	.0030		10:00	1.14	.0037	.0453	
:15	.80	.0026	.2238		12:00	.28	.0009	.0440		4:00	.92	.0030	.0115		11:30	1.02	.0033	.0506	
:20	1.02	.0033	.2240							:20	.87	.0029	.0125		12:00	.97	.0032	.0522	
:22	1.08	.0035	.2241		Aug. 29					5:00	.87	.0029	.0144						
:40	1.08	.0035	.2252		a. m.					:40	.92	.0030	.0163		p. m.				
:50	1.14	.0037	.2255		4:00	.26	.0009	.0036		6:00	.97	.0032	.0173		1:00	.87	.0029	.0553	
:52	1.19	.0039	.2259		6:00	.24	.0008	.0052		:20	1.02	.0033	.0184		2:00	.83	.0027	.0581	
7:00	1.19	.0039	.2264		8:00	.23	.0007	.0066		:30	1.08	.0035	.0190		4:00	.76	.0025	.0633	
:10	1.47	.0048	.2271		10:20	.21	.0007	.0082		:40	1.26	.0041	.0196		5:20	.73	.0024	.0665	
:15	1.62	.0053	.2275		12:00	.20	.0006	.0094		:50	1.69	.0055	.0204		10:00	.73	.0024	.0769	
:20	2.05	.0067	.2280							:55	2.23	.0073	.0209		12:00	.70	.0023	.0817	
:25	2.72	.0089	.2286							7:00	3.64	.0119	.0217						
:30	3.34	.0109	.2294		p. m.					:02	4.24	.0139	.0221		Sept. 1				
:35	3.95	.0129	.2304		1:00	.18	.0006	.0100		:04	4.80	.0157	.0226		a. m.				
:40	4.80	.0157	.2315		2:00	.17	.0006	.0106		:06	6.32	.0207	.0232		1:00	.70	.0023	.0023	
:45	5.71	.0187	.2329		3:20	.16	.0005	.0113		:08	8.67	.0284	.0240		4:00	.66	.0022	.0089	
:50	6.52	.0213	.2346		:30	.21	.0007	.0114		:10	11.6	.0380	.0251		6:00	.63	.0021	.0131	
:52	6.72	.0220	.2353		:40	.34	.0011	.0116		:12	15.8	.0517	.0266		9:00	.60	.0019	.0191	
:56	6.72	.0220	.2368		:45	.38	.0013	.0117		:14	18.4	.0602	.0284		10:00	.56	.0018	.0210	
8:00	6.32	.0207	.2382		:48	.48	.0016	.0118		:16	20.2	.0660	.0305		12:00	.50	.0016	.0244	
:10	5.35	.0175	.2414		:57	.48	.0016	.0120		:20	22.4	.0732	.0351						
:20	4.52	.0148	.2441		:58	.48	.0018			:25	24.2	.0791	.0416		p. m.				
:30	3.80	.0124	.2464		:59	.76	.0025			:30	24.6	.08							



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Sept 3				Sept. 8				Sept. 13				Sept. 24			
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
6:00-----	0.20	0.0006	0.0146	1:00-----	0.38	0.0013	0.0208	3:00-----	0.08	0.0003	0.0045	10:46-----	0.70	0.0023	0.0057
12:00-----	.20	.0006	.0152	:20-----	.34	.0011	.0212	:30-----	.08	.0002	.0047	:48-----	.92	.0030	.0058
Sept. 4				:40-----	.32	.0010	.0216	6:00-----	.07	.0002	.0052	:50-----	1.14	.0037	.0059
<i>a. m.</i>				2:00-----	.30	.0010	.0219	9:00-----	.07	.0002	.0058	:52-----	1.40	.0046	.0060
11:00-----	.20	.0006	.0066	:20-----	.26	.0009	.0222	12:00-----	.08	.0002	.0064	:54-----	1.54	.0050	.0062
12:00-----	.18	.0006	.0072	3:20-----	.23	.0007	.0230					:59-----	1.62	.0053	.0066
<i>p. m.</i>				4:00-----	.21	.0007	.0235	Sept. 14				11:00-----	1.86	.0061	.0067
2:00-----	.16	.0005	.0082	5:00-----	.18	.0006	.0241	<i>a. m.</i>				:02-----	2.41	.0079	.0069
5:00-----	.15	.0005	.0097	6:00-----	.17	.0006	.0247	12:00-----	.08	.0002	.0024	:04-----	3.10	.0101	.0073
9:00-----	.15	.0005	.0117	8:00-----	.16	.0005	.0257	<i>p. m.</i>				:06-----	4.24	.0139	.0076
12:00-----	.16	.0005	.0132	9:30-----	.15	.0005	.0265	3:00-----	.07	.0002	.0030	:07-----	5.53	.0181	.0079
Sept. 5				12:00-----	.15	.0005	.0278	12:00-----	.07	.0002	.0048	:08-----	6.72	.0220	.0082
<i>a. m.</i>				Sept. 9				Sept. 15 <sup>1</sup>	.07	.0002	.0048	:10-----	8.93	.0292	.0091
11:00-----	.16	.0005	.0055	<i>a. m.</i>				12:00-----	.07	.0002	.0048	:15-----	8.16	.0267	.0114
12:00-----	.15	.0005	.0060	4:00-----	.14	.0005	.0020	Sept. 16				:20-----	6.72	.0220	.0134
<i>p. m.</i>				10:00-----	.14	.0005	.0050	<i>a. m.</i>				:22-----	6.32	.0207	.0141
2:00-----	.14	.0005	.0070	<i>p. m.</i>				6:00-----	.07	.0002	.0012	:26-----	6.96	.0228	.0156
5:00-----	.13	.0004	.0085	1:00-----	.13	.0004	.0062	11:00-----	.08	.0002	.0022	:30-----	6.11	.0200	.0170
8:00-----	.13	.0004	.0097	4:00-----	.12	.0004	.0074	<i>p. m.</i>				:40-----	4.80	.0157	.0200
12:00-----	.14	.0005	.0113	10:00-----	.12	.0004	.0098	3:00-----	.07	.0002	.0030	:50-----	3.64	.0119	.0223
Sept. 6				:50-----	.13	.0004	.0101	12:00-----	.07	.0002	.0048	12:00-----	2.61	.0085	.0240
<i>a. m.</i>				11:00-----	.14	.0005	.0102	Sept. 17				<i>a. m.</i>			
11:00-----	.14	.0005	.0055	:20-----	.16	.0005	.0104	<i>p. m.</i>				12:10-----	2.05	.0067	.0025
<i>p. m.</i>				:40-----	.21	.0007	.0106	3:00-----	.07	.0002	.0030	:20-----	1.62	.0053	.0035
1:00-----	.13	.0004	.0063	:50-----	.26	.0009	.0107	12:00-----	.07	.0002	.0048	:30-----	1.40	.0046	.0043
3:00-----	.12	.0004	.0071	12:00-----	.28	.0009	.0109	Sept. 18				:40-----	1.26	.0041	.0050
7:00-----	.11	.0004	.0087	Sept. 10				<i>p. m.</i>				:50-----	1.08	.0035	.0056
12:00-----	.12	.0004	.0107	<i>a. m.</i>				2:00-----	.07	.0002	.0028	1:00-----	1.02	.0033	.0062
Sept. 7				12:20-----	.30	.0010	.0003	7:00-----	.06	.0002	.0038	:15-----	.97	.0032	.0070
<i>a. m.</i>				:35-----	.32	.0010	.0006	12:00-----	.07	.0002	.0048	:20-----	.97	.0032	.0073
<i>p. m.</i>				:40-----	.34	.0011	.0007	<i>a. m.</i>				:40-----	1.14	.0037	.0084
1:00-----	.13	.0004	.0063	:45-----	.36	.0012	.0008	12:00-----	.07	.0002	.0024	:50-----	1.47	.0048	.0091
3:00-----	.12	.0004	.0071	:50-----	.41	.0013	.0009	Sept. 19 <sup>1</sup>	.06	.0002	.0048	2:00-----	1.95	.0064	.0100
7:00-----	.11	.0004	.0087	:55-----	.48	.0016	.0010	<i>p. m.</i>				:05-----	2.32	.0076	.0106
12:00-----	.12	.0004	.0107	1:00-----	.60	.0019	.0011	2:00-----	.06	.0002	.0028	:10-----	2.61	.0085	.0113
Sept. 8				:10-----	.76	.0025	.0015	12:00-----	.06	.0002	.0048	:15-----	2.84	.0093	.0120
<i>a. m.</i>				:20-----	.80	.0026	.0019	Sept. 20				:20-----	3.64	.0119	.0128
<i>p. m.</i>				:25-----	.97	.0032	.0021	<i>p. m.</i>				:25-----	4.10	.0134	.0138
1:00-----	.11	.0004	.0052	:30-----	1.40	.0046	.0024	12:00-----	.06	.0002	.0048	:30-----	4.10	.0134	.0149
3:00-----	.10	.0003	.0060	:35-----	1.54	.0050	.0028	Sept. 21				:35-----	4.52	.0148	.0161
6:00-----	.10	.0003	.0069	:40-----	2.05	.0067	.0033	<i>a. m.</i>				:50-----	4.38	.0143	.0196
9:00-----	.10	.0003	.0078	:42-----	2.32	.0076	.0035	12:00-----	.06	.0002	.0048	3:00-----	3.80	.0124	.0218
12:00-----	.10	.0003	.0087	:44-----	2.41	.0079	.0038	Sept. 22-23	.05	.0002	.0096	:10-----	3.34	.0109	.0237
Sept. 9				:52-----	2.41	.0079	.0049	<i>p. m.</i>				:20-----	2.72	.0089	.0254
<i>a. m.</i>				:55-----	2.32	.0076	.0053	3:00-----	.06	.0002	.0030	:30-----	2.41	.0079	.0268
<i>p. m.</i>				2:00-----	2.41	.0079	.0059	6:00-----	.05	.0002	.0036	:40-----	2.14	.0070	.0281
1:00-----	.11	.0004	.0016	:10-----	2.14	.0070	.0071	10:00-----	.06	.0002	.0044	:50-----	1.77	.0058	.0292
3:10-----	.11	.0004	.0033	:20-----	1.69	.0055	.0081	12:00-----	.06	.0002	.0048	4:00-----	1.62	.0053	.0301
:15-----	.14	.0005		:30-----	1.47	.0048	.0090	Sept. 21				:20-----	1.26	.0041	.0317
:17-----	.16	.0005		:40-----	1.26	.0041	.0098	<i>a. m.</i>				:40-----	.97	.0032	.0329
:20-----	.24	.0008		3:00-----	.97	.0032	.0110	12:00-----	.06	.0002	.0024	:50-----	.83	.0027	.0339
:22-----	.36	.0012		:20-----	.80	.0026	.0120	<i>p. m.</i>				:20-----	.73	.0024	.0347
:24-----	.43	.0014		:40-----	.70	.0023	.0228	2:00-----	.05	.0002	.0028	:40-----	.66	.0022	.0355
:26-----	.50	.0016	.0034	4:00-----	.60	.0019	.0135	12:00-----	.05	.0002	.0048	6:00-----	.56	.0018	.0362
:28-----	.66	.0022	.0035	:20-----	.50	.0016	.0141	<i>p. m.</i>				:20-----	.50	.0016	.0368
:30-----	.70	.0023	.0036	:40-----	.48	.0016	.0146	2:00-----	.05	.0002	.0048	:40-----	.43	.0016	.0373
:40-----	.60	.0019	.0040	5:00-----	.43	.0014	.0151	12:00-----	.05	.0002	.0048	7:00-----	.41	.0013	.0378
:42-----	.76	.0025	.0041	:30-----	.38	.0013	.0158	Sept. 22-23	.05	.0002	.0096	:20-----	.34	.0011	.0383
:43-----	1.02	.0033		6:00-----	.34	.0011	.0164	<i>a. m.</i>				:30-----	.32	.0010	.0396
:44-----	1.33	.0044	.0042	:30-----	.32	.0010	.0169	12:00-----	.06	.0002	.0024	9:00-----	.28	.0009	.0401
:46-----	1.62	.0053	.0044	7:00-----	.30	.0010	.0174	Sept. 24				10:00-----	.24	.0008	.0410
:50-----	1.47	.0048	.0047	8:00-----	.26	.0009	.0183	<i>a. m.</i>				11:00-----	.21	.0007	.0417
:55-----	1.77	.0058	.0051	9:00-----	.23	.0007	.0191	5:00-----	.06	.0002	.0010	12:00-----	.18	.0006	.0424
9:00-----	1.62	.0053	.0056	10:00-----	.20	.0006	.0198	8:00-----	.06	.0002	.0016	<i>p. m.</i>			
:08-----	1.40	.0046	.0063	12:00-----	.16	.0005	.0208	:20-----	.07	.0002	.0017	1:00-----	.17	.0006	.0430
:20-----	1.47	.0048	.0072	<i>p. m.</i>				:40-----	.07	.0002	.0023	2:00-----	.16	.0005	.0435
:25-----	1.95	.0064	.0076	1:30-----	.15	.0005	.0216	11:20-----	.08	.0003	.0024	3:00-----	.15	.0005	.0440
:35-----	1.86	.0061	.0085	4:00-----	.14	.0005	.0229	:40-----	.09	.0003	.0025	5:00-----	.14	.0005	.0450
:40-----	1.77	.0058	.0090	:30-----	.13	.0004	.0242	12:00-----	.09	.0003	.0025	6:30-----	.26	.0009	.0461
:50-----	1.62	.0053	.0099	8:00-----	.12	.0004	.0248	<i>p. m.</i>				8:00-----	.12	.0004	.0470
:55-----	1.77	.0058	.0104	12:00-----	.11	.0004	.0264	1:20-----	.09	.0003	.0029	9:30-----	.11	.0004	.0476
10:00-----	1.77	.0058	.0109	Sept. 11				2:30-----	.08	.0003	.0032	11:00-----	.10	.0003	.0482
:05-----	1.69	.0055	.0114	<i>a. m.</i>				4:00-----	.08	.0002	.0035	12:00-----	.10	.0003	.0485
:10-----	2.14	.0070	.0119	3:00-----	.10	.0003	.0012	5:00-----	.07	.0002	.0037				
:12-----	2.23	.0073	.0121	:40-----	.10	.0003	.0021	8:25-----	.07	.0002	.0044	Sept. 26			
:20-----	2.23	.0073	.0131	6:00-----	.10	.0003	.0030	:40-----	.10	.0003	.0045	<i>a. m.</i>			
:30-----	1.77	.0058	.0142	9:00-----	.09	.0003	.0030	9:00-----	.10	.0003	.0046	2:00-----	.10	.0003	.0066
:40-----	1.54	.0050	.0151	11:00-----	.08	.0003	.0036	:40-----	.11	.0004	.0048	5:00-----	.09	.0003	.0015
11:00-----	1.14	.0037	.0165	<i>p. m.</i>				10:00-----	.14	.0005	.0050	8:00-----	.09	.0003	.0024
:20-----	.87	.0029	.0176	12:00-----	.08	.0003	.0075	:10-----	.15	.0005	.0051	12:00-----	.08	.0003	.0036
:40-----	.73	.0024	.0185	Sept. 12 <sup>1</sup>	.08	.0003	.0072	:20-----	.20	.0006	.0052	<i>p. m.</i>			
12:00-----	.56	.0018	.0192	<i>p. m.</i>				:30-----	.23	.0007	.0053	4:00-----	.08	.0002	.0044
<i>p. m.</i>				12:00-----	.08	.0003	.0075	:35-----	.26	.0009	.0054	9:00-----	.08	.0002	.0054
12:20-----	.48	.0016	.0198	Sept. 12 <sup>1</sup>	.08	.0003	.0072	:40-----	.36	.0012	.0055	12:00-----	.07	.0002	.0060
:40-----	.43	.0014	.0203					:42-----	.43	.0014					
								:44-----	.53	.0017	.0056				

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Sept. 27				Oct. 8				Oct. 19				Oct. 26			
a. m.				a. m.				a. m.				p. m.			
12:00-----	0.07	0.0002	0.0024	5:00-----	0.05	0.0002	0.0010	11:00-----	0.06	0.0002	0.0022	12:00-----	0.07	0.0002	0.0048
p. m.				p. m.				12:00-----	0.07	0.0002	0.0024	Oct. 27			
3:00-----	.06	.0002	.0030	12:00-----	.05	.0002	.0048	p. m.				6:00-----	.07	.0002	.0036
12:00-----	.06	.0002	.0048	Oct. 9				12:20-----	.07	.0002	.0025	10:30-----	.06	.0002	.0045
Sept. 28-29	.06	.0002	.0096	p. m.				1:00-----	.08	.0003	.0027	11:00-----	.07	.0002	.0046
Sept. 30				1:00-----	.05	.0002	.0026	1:40-----	.10	.0003	.0029	12:00-----	.07	.0002	.0048
12:00-----	.06	.0002	.0024	6:00-----	.04	.0001	.0036	2:00-----	.11	.0004	.0030				
p. m.				9:00-----	.04	.0001	.0039	2:40-----	.10	.0003	.0031	Oct. 28			
5:00-----	.05	.0002	.0034	12:00-----	.05	.0002	.0045	3:00-----	.11	.0004	.0032	p. m.			
10:00-----	.05	.0002	.0044	Oct. 10				3:08-----	.12	.0004	.0035	2:00-----	.07	.0002	.0028
12:00-----	.06	.0002	.0048	a. m.				3:15-----	.13	.0004	.0036	4:00-----	.07	.0002	.0032
Oct. 1				10:00-----	.05	.0002	.0020	3:20-----	.15	.0005	.0038	8:00-----	.07	.0002	.0040
p. m.				p. m.				3:35-----	.15	.0005	.0039	12:00-----	.07	.0002	.0048
12:00-----	.06	.0002	.0048	2:00-----	.04	.0001	.0024	4:00-----	.16	.0005	.0040	Oct. 29			
Oct. 2				9:00-----	.04	.0001	.0031	4:20-----	.17	.0006	.0041	a. m.			
p. m.				12:00-----	.05	.0002	.0037	4:30-----	.18	.0006	.0042	8:00-----	.07	.0002	.0016
1:00-----	.06	.0002	.0026	Oct. 11-14	.05	.0002	.0192	4:40-----	.21	.0007	.0043	12:00-----	.07	.0002	.0024
5:00-----	.05	.0002	.0034	Oct. 15				6:00-----	.16	.0005	.0049	p. m.			
9:00-----	.05	.0002	.0042	4:15-----	.05	.0002	.0007	6:40-----	.15	.0005	.0052	2:20-----	.07	.0002	.0029
12:00-----	.06	.0002	.0048	5:10-----	.06	.0002	.0008	7:00-----	.14	.0005	.0059	4:00-----	.08	.0002	.0030
Oct. 3				5:20-----	.07	.0002	.0009	9:00-----	.13	.0004	.0063	4:50-----	.08	.0003	.0031
p. m.				5:50-----	.10	.0003	.0011	10:00-----	.12	.0004	.0067	5:00-----	.08	.0003	.0033
1:00-----	.06	.0002	.0026	6:00-----	.08	.0003	.0012	11:00-----	.11	.0004	.0071	5:40-----	.10	.0003	.0034
5:00-----	.05	.0002	.0034	7:00-----	.07	.0002	.0011	12:00-----	.10	.0003	.0074	6:15-----	.10	.0003	.0036
9:00-----	.05	.0002	.0042	7:20-----	.07	.0002	.0012	a. m.				6:50-----	.09	.0003	.0038
12:00-----	.06	.0002	.0048	7:40-----	.08	.0003	.0013	4:00-----	.10	.0003	.0013	7:00-----	.09	.0003	.0039
Oct. 4				8:00-----	.08	.0003	.0014	6:30-----	.09	.0003	.0020	7:10-----	.10	.0003	.0040
a. m.				8:40-----	.08	.0003	.0016	10:00-----	.08	.0003	.0031	7:40-----	.13	.0004	.0041
11:00-----	.06	.0002	.0022	9:40-----	.09	.0003	.0019	p. m.				7:50-----	.15	.0005	.0042
p. m.				10:20-----	.09	.0003	.0021	1:00-----	.08	.0002	.0037	8:00-----	.15	.0005	.0043
2:30-----	.05	.0002	.0029	12:00-----	.08	.0003	.0026	3:00-----	.07	.0002	.0041	8:30-----	.16	.0005	.0051
4:00-----	.05	.0002	.0032	p. m.				12:00-----	.07	.0002	.0059	9:00-----	.16	.0005	.0054
12:00-----	.05	.0002	.0048	1:00-----	.08	.0002	.0028	Oct. 21				9:30-----	.15	.0005	.0057
Oct. 5 <sup>1</sup>	.05	.0002	.0048	2:30-----	.07	.0002	.0031	12:00 <sup>1</sup>	.07	.0002	.0048	10:00-----	.14	.0005	.0060
Oct. 6				12:00-----	.07	.0002	.0050	Oct. 22				11:20-----	.13	.0004	.0063
p. m.				Oct. 16				a. m.				12:00-----	.12	.0004	.0066
11:00-----	.05	.0002	.0046	4:00-----	.06	.0002	.0004	5:00-----	.06	.0002	.0010	Oct. 30			
5:00-----	.05	.0002	.0048	p. m.				12:00-----	.06	.0002	.0048	a. m.			
12:00-----	.06	.0002	.0048	12:00-----	.06	.0002	.0044	Oct. 23				1:20-----	.10	.0003	.0005
Oct. 7				Oct. 17				a. m.				2:30-----	.10	.0003	.0008
a. m.				11:00-----	.06	.0002	.0022	10:00-----	.06	.0002	.0020	4:00-----	.09	.0003	.0013
12:10-----	.05	.0002	.0001	12:00-----	.07	.0002	.0023	11:00-----	.07	.0002	.0022	6:00-----	.08	.0003	.0019
4:00-----	.06	.0002	.0005	p. m.				p. m.				9:00-----	.08	.0003	.0028
2:40-----	.06	.0002	.0005	4:00-----	.07	.0002	.0032	3:00-----	.07	.0002	.0030	12:00-----	.08	.0002	.0037
5:00-----	.05	.0002	.0010	4:20-----	.08	.0002	.0033	5:00-----	.08	.0002	.0034	p. m.			
5:30-----	.05	.0002	.0010	4:30-----	.09	.0003	.0034	6:25-----	.08	.0003	.0038	3:00-----	.08	.0002	.0043
5:52-----	.07	.0002	.0017	4:40-----	.10	.0003	.0035	7:00-----	.06	.0002	.0039	7:00-----	.07	.0002	.0051
6:00-----	.05	.0002	.0018	5:20-----	.09	.0003	.0037	12:00-----	.06	.0002	.0049	12:00-----	.07	.0002	.0061
9:20-----	.05	.0002	.0018	5:50-----	.09	.0003	.0036	Oct. 24 <sup>1</sup>	.06	.0002	.0048	Oct. 31			
10:00-----	.07	.0002	.0019	6:10-----	.08	.0002	.0039	Oct. 25				a. m.			
11:00-----	.10	.0003	.0021	6:40-----	.08	.0002	.0041	a. m.				5:00-----	.07	.0002	.0010
12:00-----	.12	.0004	.0025	10:30-----	.08	.0002	.0052	4:00-----	.06	.0002	.0008	5:15-----	.08	.0002	.0011
p. m.				12:00-----	.08	.0002	.0055	4:40-----	.06	.0002	.0009	7:00-----	.07	.0002	.0014
12:40-----	.12	.0004	.0029	Oct. 18				5:00-----	.07	.0002	.0010	7:20-----	.07	.0002	.0015
1:20-----	.11	.0004	.0032	a. m.				5:20-----	.07	.0002	.0011	8:00-----	.08	.0002	.0016
4:00-----	.10	.0003	.0033	1:30-----	.07	.0002	.0003	7:00-----	.07	.0002	.0014	8:30-----	.09	.0003	.0018
2:00-----	.10	.0003	.0034	6:00-----	.07	.0002	.0012	9:00-----	.07	.0002	.0018	3:00-----	.11	.0004	.0024
3:00-----	.09	.0003	.0036	9:00-----	.07	.0002	.0018	11:00-----	.08	.0002	.0022	4:00-----	.14	.0005	.0030
4:00-----	.08	.0002	.0040	p. m.				p. m.				4:45-----	.17	.0006	.0036
5:00-----	.07	.0002	.0042	2:00-----	.06	.0002	.0028	2:00-----	.07	.0002	.0028	5:00-----	.21	.0007	.0042
7:00-----	.07	.0002	.0046	7:00-----	.06	.0002	.0038	12:00-----	.07	.0002	.0048	5:55-----	.26	.0009	.0054
9:00-----	.06	.0002	.0050	12:00-----	.06	.0002	.0048	Oct. 26				9:00-----	.28	.0009	.0060
12:00-----	.06	.0002	.0056	Oct. 19				a. m.				9:20-----	.28	.0009	.0062
				2:30-----	.07	.0002	.0038	3:40-----	.08	.0002	.0007	10:00-----	.30	.0010	.0064
				7:00-----	.06	.0002	.0048	7:00-----	.07	.0002	.0014	10:15-----	.45	.0015	.0075
												10:30-----	.70	.0023	.0103
												11:00-----	1.02	.0033	.0133

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Nov. 1	Second-foot	Inches per hour	Inches	Nov. 3	Second-foot	Inches per hour	Inches	Nov. 7	Second-foot	Inches per hour	Inches	Nov. 11	Second-foot	Inches per hour	Inches
a. m.				a. m.				p. m.				p. m.			
9:28-----	1.54	0.0050	0.0026	5:00-----	0.14	0.0065	0.0025	1:00-----	0.16	0.0005	0.0076	2:00-----	2.32	0.0076	0.0919
:30-----	1.86	.0061	.0028	10:00-----	.13	.0004	.0045	5:00-----	.15	.0005	.0096	:20-----	2.14	.0070	.0943
:32-----	2.23	.0073	.0030					12:00-----	.15	.0005	.0131	:40-----	1.95	.0064	.0965
:34-----	2.32	.0076	.0032	p. m.				Nov. 8				3:00-----	1.77	.0058	.0985
:38-----	2.32	.0076	.0037	3:00-----	.12	.0004	.0065					:20-----	1.69	.0055	.1004
:40-----	2.14	.0670	.0039	7:00-----	.12	.0004	.0081	a. m.				4:00-----	1.54	.0050	.1039
:50-----	1.77	.0058	.0050	10:00-----	.11	.0004	.0093	7:00-----	.14	.0005	.0035	:40-----	1.40	.0046	.1071
10:00-----	1.54	.0050	.0059	12:00-----	.11	.0004	.0101	p. m.				5:00-----	1.33	.0044	.1086
:10-----	1.40	.0046	.0067					12:00-----	.14	.0005	.0120	:15-----	1.33	.0044	.1097
:20-----	1.33	.0044	.0075	Nov. 4								:40-----	1.26	.0041	.1115
:40-----	1.33	.0044	.0090	a. m.				Nov. 9				6:00-----	1.19	.0039	.1128
:55-----	1.40	.0046	.0101	5:00-----	.10	.0003	.0020	a. m.				:20-----	1.14	.0037	.1141
11:00-----	1.62	.0053	.0105	p. m.				2:00-----	.13	.0004	.0010	:40-----	1.14	.0037	.1153
:10-----	2.05	.0067	.0115	12:00-----	.10	.0003	.0077	p. m.				7:20-----	1.19	.0039	.1178
:20-----	2.41	.0079	.0127					5:00-----	.12	.0004	.0070	:40-----	1.33	.0044	.1192
:30-----	3.34	.0109	.0143	Nov. 5				12:00-----	.12	.0004	.0098	8:00-----	1.62	.0053	.1208
:40-----	4.52	.0148	.0164	a. m.				p. m.				:20-----	1.54	.0050	.1225
:45-----	4.98	.0163	.0177	9:00-----	.10	.0003	.0027	12:00-----	.12	.0004	.0096	:40-----	1.40	.0046	.1241
:50-----	5.16	.0169	.0191	10:00-----	.14	.0005	.0031	Nov. 10 <sup>1</sup>	.12	.0004	.0096	9:00-----	1.26	.0041	.1255
12:15-----	5.16	.0169	.0261	:40-----	.16	.0005	.0034	Nov. 11				10:00-----	1.14	.0037	.1294
:20-----	4.98	.0163	.0274	:40-----	.18	.0006	.0037	a. m.				11:00-----	.97	.0032	.1329
:30-----	4.66	.0152	.0300	12:00-----	.21	.0007	.0041	12:24-----	.12	.0004	.0001	12:00-----	.92	.0030	.1350
:40-----	3.95	.0129	.0323					:40-----	.14	.0005	.0002				
:50-----	3.22	.0105	.0343					1:00-----	.14	.0005	.0004	a. m.			
1:00-----	2.61	.0085	.0359					:40-----	.15	.0005	.0007	1:00-----	.83	.0027	.0013
:10-----	2.32	.0076	.0372					2:00-----	.16	.0005	.0009	3:00-----	.80	.0026	.0065
:20-----	1.95	.0064	.0384	p. m.				:30-----	.16	.0005	.0012	4:30-----	.76	.0025	.0104
:30-----	1.77	.0058	.0394	12:04-----	.28	.0009	.0042	:50-----	.18	.0006	.0014	5:30-----	.73	.0024	.0129
:40-----	1.54	.0050	.0403	:16-----	.41	.0013	.0044	3:10-----	.21	.0007	.0016	7:00-----	.70	.0023	.0165
:50-----	1.47	.0048	.0411	:28-----	.45	.0015	.0047	:20-----	.24	.0008	.0017	8:30-----	.66	.0022	.0198
2:00-----	1.33	.0044	.0419	:40-----	.50	.0016	.0050	:30-----	.30	.0010	.0019	10:00-----	.63	.0021	.0230
:20-----	1.08	.0035	.0432	:44-----	.50	.0016	.0051	:40-----	.36	.0012	.0021	12:00-----	.56	.0018	.0268
:40-----	.92	.0030	.0443	:48-----	.56	.0018	.0052	4:00-----	.50	.0016	.0026				
3:00-----	.83	.0027	.0452	:50-----	.83	.0027	.0053	:10-----	.60	.0019	.0029				
:20-----	.76	.0025	.0461	:52-----	1.26	.0041	.0054	:12-----	.83	.0027	.0030	p. m.			
:40-----	.73	.0024	.0469	:56-----	1.54	.0050	.0057	:13-----	1.08	.0035	.0031	1:00-----	.53	.0017	.0285
4:00-----	.66	.0022	.0477	:58-----	1.77	.0058	.0059	:14-----	1.33	.0044	.0032	4:00-----	.50	.0016	.0336
:20-----	.63	.0021	.0484	1:14-----	1.77	.0058	.0074	:15-----	1.62	.0053	.0033	6:40-----	.50	.0016	.0379
5:00-----	.56	.0018	.0497	:18-----	1.86	.0061	.0078	:18-----	1.86	.0061	.0036	9:00-----	.48	.0016	.0416
:20-----	.53	.0017	.0503	:40-----	1.95	.0064	.0100	:20-----	2.32	.0076	.0038	12:00-----	.45	.0015	.0461
6:10-----	.50	.0016	.0517	:52-----	1.95	.0064	.0113	:25-----	2.84	.0093	.0045	Nov. 13			
:40-----	.50	.0016	.0525	2:00-----	1.77	.0058	.0121	:30-----	3.22	.0105	.0053	a. m.			
:50-----	.60	.0019	.0528	:04-----	1.69	.0055	.0125	:37-----	3.22	.0105	.0065	4:30-----	.45	.0015	.0068
7:00-----	.73	.0024	.0532	:08-----	1.69	.0055	.0129	:40-----	2.97	.0097	.0070	7:00-----	.43	.0014	.0103
:10-----	.87	.0029	.0536	:12-----	1.77	.0058	.0133	:50-----	2.51	.0082	.0085	9:20-----	.41	.0013	.0122
:20-----	1.08	.0035	.0541	:24-----	1.77	.0058	.0145	5:00-----	2.32	.0076	.0099				
:25-----	1.33	.0044	.0544	:40-----	1.54	.0050	.0159	:20-----	2.14	.0070	.0123	p. m.			
:30-----	1.77	.0058	.0548	3:00-----	1.26	.0041	.0174	:40-----	1.77	.0058	.0144	3:20-----	.41	.0013	.0200
:35-----	2.41	.0079	.0554	:40-----	1.02	.0033	.0186	:40-----	1.62	.0053	.0162	7:00-----	.58	.0013	.0248
:40-----	2.97	.0097	.0561	:40-----	.92	.0030	.0206	6:00-----	1.62	.0053	.0162	12:00-----	.36	.0012	.0308
:50-----	3.64	.0119	.0579	4:00-----	.83	.0027	.0215	:25-----	1.62	.0053	.0162	Nov. 14			
8:00-----	3.64	.0119	.0599	:20-----	.76	.0025	.0224	:40-----	1.47	.0048	.0198	a. m.			
:10-----	3.22	.0105	.0618	5:00-----	.70	.0023	.0240	:40-----	1.33	.0044	.0213	3:00-----	.36	.0012	.0036
:20-----	2.72	.0089	.0634	:40-----	.63	.0021	.0255	:20-----	1.02	.0033	.0245	8:00-----	.34	.0011	.0091
:30-----	2.32	.0076	.0648	6:20-----	.56	.0018	.0268	:40-----	1.02	.0033	.0245	p. m.			
:40-----	2.14	.0070	.0660	7:00-----	.50	.0016	.0279	:40-----	1.02	.0033	.0245	1:00-----	.32	.0010	.0141
:50-----	1.86	.0061	.0671	:40-----	.48	.0016	.0290	7:00-----	1.14	.0097	.0227	6:00-----	.32	.0010	.0191
9:00-----	1.69	.0055	.0681	8:20-----	.48	.0016	.0301	:40-----	1.02	.0033	.0245	9:00-----	.30	.0010	.0221
:20-----	1.40	.0046	.0698	:40-----	.41	.0013	.0320	:40-----	1.02	.0033	.0245	12:00-----	.32	.0010	.0251
:40-----	1.19	.0039	.0712	9:40-----	.36	.0012	.0340	8:00-----	1.08	.0035	.0251				
10:00-----	1.02	.0033	.0724	11:20-----	.36	.0012	.0348	:20-----	1.47	.0048	.0265	Nov. 15			
:20-----	.92	.0030	.0734	12:00-----	.36	.0012	.0348	:25-----	1.62	.0053	.0269	a. m.			
:40-----	.83	.0027	.0743					:40-----	1.77	.0058	.0283	9:00-----	.32	.0010	.0090
11:00-----	.80	.0026	.0752	Nov. 6				:50-----	2.05	.0067	.0293	p. m.			
:20-----	.76	.0025	.0760	a. m.				9:00-----	2.32	.0076	.0305	1:00-----	.34	.0011	.0130
12:00-----	.70	.0023	.0776	12:40-----	.34	.0011	.0008	:10-----	2.72	.0089	.0319	5:00-----	.34	.0011	.0174
Nov. 2				3:20-----	.34	.0011	.0037	:20-----	3.64	.0119	.0336	8:00-----	.32	.0010	.0207
a. m.				:24-----	.36	.0012	.0047	:30-----	4.52	.0148	.0358	10:30-----	.30	.0010	.0227
12:30-----	.63	.0021	.0011	4:12-----	.36	.0012	.0066	:40-----	4.80	.0157	.0383	12:00-----	.28	.0009	.0245
1:00-----	.56	.0018	.0021	6:00-----	.32	.0010	.0066	:50-----	4.80	.0157	.0409				
2:00-----	.48	.0016	.0038	7:40-----	.28	.0009	.0082	10:00-----	4.66	.0152	.0435	1:00-----	.28	.0009	.0018
3:00-----	.43	.0014	.0053	8:40-----	.25	.0009	.0091	:20-----	4.10	.0134	.0483	5:00-----	.26	.0009	.0045
4:00-----	.38	.0013	.0067	9:20-----	.26	.0019	.0097	:30-----	3.80	.0124	.0505	7:00-----	.24	.0008	.0061
5:00-----	.36	.0012	.0079	10:40-----	.25	.0009	.0109	:40-----	3.49	.0114	.0525	9:00-----	.26	.0009	.0077
6:00-----	.34	.0011	.0091	:44-----	.24	.0008	.0110	11:00-----	3.10	.0101	.0561	12:00-----	.26	.0009	.0104
7:00-----	.32	.0010	.0101	12:00-----	.24	.0008	.0122	:10-----	2.97	.0097	.0578				
8:20-----	.28	.0009	.0113					:20-----	3.10	.0101	.0595	Nov. 16			
9:30-----	.26	.0009	.0123	p. m.				:30-----	3.80	.0124	.0612	a. m.			
11:00-----	.24	.0008	.0135	1:00-----	.23	.0007	.0130	:40-----	4.38	.0143	.0634	2:00-----	.28	.0009	.0018
12:00-----	.23	.0007	.0143	3:00-----	.21	.0007	.0144	:50-----	4.80	.0157	.0659	5:00-----	.26	.0009	.0045
				6:20-----	.21	.0007	.0167	12:00-----	4.98	.0163	.0686	7:00-----	.24	.0008	.0061
p. m.				8:40-----	.20	.0006	.0181					9:00-----	.26	.0009	.0077
2:00-----	.21	.0007	.0157	12:00-----	.18	.0006	.0201	p. m.				12:00-----	.26	.0009	.0104
3:00-----	.20	.0006	.0164					12:10-----	4.98	.0163	.0713				
4:00-----	.18	.0006	.0170	Nov. 7				:20-----	4.80	.0157	.0740	3:00-----	.28	.0009	.0131
6:00-----	.18	.0006	.0182	a. m.				:40-----	4.24	.0139	.0789	5:00-----	.28	.0009	.0149
8:00-----	.17	.0006	.0194	4:20-----	.18	.0006	.0026	1:00-----	3.64	.0119	.0831	9:00-----	.26	.0009	.0185
11:00-----	.16	.0005	.0212	8:00-----	.17	.0006	.0048	:20-----	2.84	.0093	.0864	12:00-----	.24	.0008	



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Nov. 17				Nov. 24				Nov. 27				Dec. 2			
p. m.				a. m.				a. m.				a. m.			
1:00-----	0.24	0.0008	0.0104	4:00-----	0.41	0.0013	0.0037	1:40-----	3.80	0.0124	0.0223	3:00-----	0.48	0.0016	0.0048
2:00-----	.26	.0009	.0113	:20-----	.45	.0015	.0042	2:00-----	3.64	.0119	.0264	6:00-----	.45	.0015	.0093
3:00-----	.28	.0009	.0122	:40-----	.50	.0016	.0047	3:00-----	3.34	.0109	.0378	9:00-----	.43	.0014	.0135
4:00-----	.34	.0011	.0132	:50-----	.53	.0017	.0050	4:00-----	2.97	.0097	.0481	12:00-----	.43	.0014	.0177
5:00-----	.38	.0013	.0144	5:10-----	.56	.0018	.0056	5:00-----	2.84	.0093	.0576				
:40-----	.38	.0013	.0153	:40-----	.56	.0018	.0065	6:00-----	2.72	.0089	.0667	p. m.			
6:20-----	.41	.0013	.0162	6:30-----	.53	.0017	.0079	7:00-----	2.61	.0085	.0754	4:00-----	.45	.0015	.0233
7:20-----	.41	.0013	.0175	:40-----	.50	.0016	.0082	8:30-----	2.91	.0079	.0877	9:00-----	.43	.0014	.0308
8:00-----	.38	.0013	.0184	7:10-----	.48	.0016	.0090	10:00-----	2.05	.0067	.0987	11:10-----	.41	.0013	.0336
9:00-----	.36	.0012	.0196	8:00-----	.45	.0015	.0102	11:00-----	1.86	.0061	.1051	:20-----	.34	.0011	.0388
10:00-----	.34	.0011	.0208	9:00-----	.41	.0013	.0116	12:00-----	1.69	.0055	.1109	12:00-----	.32	.0010	.0345
11:00-----	.32	.0010	.0218	:40-----	.38	.0013	.0125								
12:00-----	.30	.0010	.0228	10:40-----	.36	.0012	.0138	p. m.							
				12:00-----	.34	.0011	.0153	1:00-----	1.54	.0050	.1161	Dec. 3			
Nov. 18								2:00-----	1.40	.0046	.1209	a. m.			
a. m.				p. m.				4:00-----	1.33	.0044	.1299	12:40-----	.32	.0010	.0007
2:00-----	.28	.0009	.0020	1:00-----	.32	.0010	.0163	5:30-----	1.26	.0041	.1364	1:40-----	.36	.0012	.0018
5:00-----	.26	.0009	.0047	3:00-----	.30	.0010	.0183	7:00-----	1.19	.0039	.1424	3:40-----	.36	.0012	.0042
7:00-----	.24	.0008	.0063	5:00-----	.28	.0009	.0201	8:00-----	1.14	.0037	.1462	5:00-----	.34	.0011	.0057
10:00-----	.23	.0007	.0087	6:00-----	.28	.0009	.0210	9:30-----	1.08	.0035	.1516	6:00-----	.36	.0012	.0068
12:00-----	.24	.0008	.0101	9:00-----	.26	.0009	.0237	11:00-----	1.02	.0033	.1567	8:30-----	.34	.0011	.0096
				12:00-----	.24	.0008	.0261	12:00-----	.97	.0032	.1599	10:20-----	.36	.0012	.0116
p. m.				Nov. 25				Nov. 28				p. m.			
5:00-----	.26	.0009	.0141	a. m.				2:30-----	.92	.0030	.0153	4:00-----	.36	.0012	.0184
10:00-----	.24	.0008	.0181	2:00-----	.24	.0008	.0016	4:00-----	.87	.0029	.0197	5:00-----	.34	.0011	.0195
12:00-----	.23	.0007	.0196	6:00-----	.23	.0007	.0044	6:30-----	.83	.0027	.0267	6:00-----	.32	.0010	.0206
Nov. 19				11:00-----	.21	.0007	.0079	9:00-----	.80	.0026	.0336	:40-----	.30	.0010	.0213
a. m.								12:00-----	.80	.0026	.0518	7:40-----	.28	.0009	.0222
4:00-----	.21	.0007	.0028	p. m.				4:00-----	.76	.0025	.0622	10:00-----	.26	.0009	.0243
8:00-----	.20	.0006	.0052	3:00-----	.20	.0006	.0103	8:00-----				12:00-----	.26	.0009	.0261
12:00-----	.21	.0007	.0076	12:00-----	.20	.0006	.0157								
								p. m.				Dec. 4			
p. m.				Nov. 26				10:00-----	.73	.0024	.0672	a. m.			
5:00-----	.23	.0007	.0111	p. m.				12:00-----	.73	.0024	.0720	6:00-----	.26	.0009	.0024
7:00-----	.23	.0007	.0125	1:20-----	.20	.0006	.0080					9:00-----	.28	.0009	.0051
12:00-----	.21	.0007	.0160	:40-----	.83	.0027	.0086	Nov. 29				11:00-----	.30	.0010	.0071
Nov. 20				:50-----	.87	.0029	.0091	a. m.							
a. m.				2:00-----	.92	.0030	.0096	2:00-----	.73	.0024	.0048	p. m.			
4:00-----	.21	.0007	.0028	:10-----	.97	.0032	.0101	5:00-----	.70	.0023	.0120	1:00-----	.32	.0010	.0091
10:00-----	.20	.0006	.0064	:20-----	1.08	.0035	.0117	6:40-----	.73	.0024	.0158	5:00-----	.34	.0011	.0135
				:22-----	1.40	.0046	.0118					10:00-----	.36	.0012	.0190
p. m.				:24-----	1.86	.0061	.0120	p. m.				12:00-----	.36	.0012	.0214
12:00-----	.20	.0006	.0148	:26-----	2.61	.0085	.0122	2:00-----	.73	.0024	.0334				
Nov. 21				:28-----	3.80	.0124	.0125	5:00-----	.70	.0023	.0403	Dec. 5			
a. m.				:30-----	5.53	.0211	.0130	7:00-----	.66	.0022	.0449	a. m.			
6:00-----	.20	.0006	.0036	:32-----	6.52	.0213	.0137	10:00-----	.63	.0021	.0515	7:00-----	.36	.0012	.0084
11:00-----	.18	.0006	.0066	:35-----	7.66	.0251	.0149	12:00-----	.60	.0019	.0555	11:00-----	.34	.0011	.0128
				:40-----	8.42	.0276	.0171								
p. m.				:50-----	10.0	.0327	.0221	Nov. 30				p. m.			
6:00-----	.20	.0006	.0036	3:00-----	11.6	.0380	.0280	a. m.				1:00-----	.32	.0010	.0150
11:00-----	.18	.0006	.0066	:10-----	14.0	.0458	.0350	4:00-----	.56	.0018	.0072	5:00-----	.32	.0010	.0190
				:20-----	15.8	.0577	.0431					7:00-----	.30	.0010	.0210
p. m.				:22-----	16.7	.0546	.0449	p. m.				9:00-----	.28	.0009	.0228
12:00-----	.18	.0006	.0144	:38-----	16.7	.0546	.0595	1:00-----	.56	.0018	.0234	12:00-----	.28	.0009	.0255
Nov. 22				:40-----	17.1	.0560	.0613	:40-----	.60	.0019	.0246				
a. m.				:45-----	18.0	.0589	.0661	2:20-----	.63	.0021	.0259	Dec. 6			
10:00-----	.18	.0006	.0060	4:00-----	15.8	.0517	.0799	3:00-----	.66	.0022	.0274	a. m.			
p. m.				:10-----	14.4	.0471	.0881	:20-----	.70	.0023	.0281	3:00-----	.26	.0009	.0027
1:00-----	.17	.0006	.0078	:20-----	12.9	.0422	.0956	4:00-----	.76	.0025	.0297	7:00-----	.24	.0008	.0059
6:00-----	.16	.0005	.0103	:30-----	11.9	.0389	.1024	:40-----	.87	.0029	.0315	11:00-----	.24	.0008	.0091
12:00-----	.16	.0005	.0133	:40-----	11.2	.0366	.1087	5:00-----	.92	.0030	.0325	12:00-----	.26	.0009	.0099
				5:00-----	10.9	.0357	.1207	:10-----	1.14	.0037	.0331				
Nov. 23				:10-----	10.3	.0337	.1265	:20-----	1.19	.0039	.0337	p. m.			
a. m.				:20-----	9.47	.0310	.1319	:30-----	1.14	.0037	.0343	1:00-----	.28	.0009	.0108
7:00-----	.16	.0005	.0035	:40-----	8.16	.0267	.1415	:50-----	1.08	.0035	.0355	2:20-----	.30	.0010	.0121
12:00-----	.18	.0006	.0060	6:00-----	6.96	.0228	.1498	6:10-----	1.02	.0033	.0366	3:20-----	.32	.0010	.0131
				:20-----	6.32	.0207	.1570	:40-----	.97	.0032	.0383	6:00-----	.32	.0010	.0158
p. m.				:40-----	6.32	.0207	.1639	8:00-----	.92	.0030	.0393	9:00-----	.30	.0010	.0188
4:00-----	.15	.0005	.0084	7:00-----	9.47	.0310	.1725	10:00-----	.92	.0030	.0423	12:00-----	.30	.0010	.0218
7:00-----	.16	.0005	.0099	:20-----	10.6	.0347	.1834								
8:00-----	.17	.0006	.0104	:40-----	11.9	.0389	.1957	Dec. 1				a. m.			
:30-----	.18	.0006	.0107	8:00-----	9.75	.0319	.2075	1:30-----	.83	.0027	.0036	12:20-----	.32	.0010	.0003
9:00-----	.20	.0006	.0110	:10-----	9.75	.0319	.2128	2:40-----	.80	.0026	.0066	1:20-----	.34	.0011	.0013
10:00-----	.21	.0007	.0116	:20-----	9.19	.0301	.2181	4:00-----	.76	.0025	.0099	2:00-----	.36	.0012	.0020
11:00-----	.23	.0007	.0123	:40-----	8.67	.0284	.2279	5:00-----	.73	.0024	.0124	3:00-----	.38	.0013	.0033
12:00-----	.24	.0008	.0131	9:00-----	7.43	.0243	.2367	6:30-----	.70	.0023	.0159	4:00-----	.41	.0013	.0046
Nov. 24				:20-----	6.72	.0220	.2444	8:00-----	.66	.0022	.0192	:40-----	.43	.0014	.0055
a. m.				:40-----	6.11	.0200	.2514	9:00-----	.63	.0021	.0214	5:30-----	.45	.0015	.0067
1:00-----	.24	.0008	.0008	10:00-----	5.91	.0193	.2579	11:00-----	.60	.0019	.0254	6:00-----	.50	.0016	.0075
:40-----	.26	.0009	.0013	:20-----	5.71	.0187	.2642					:20-----	.56	.0018	.0081
2:00-----	.28	.0009	.0016	:40-----	5.53	.0181	.2703	p. m.				:40-----	.63	.0021	.0087
3:00-----	.32	.0010	.0026	11:00-----	5.35	.0175	.2762	1:00-----	.56	.0018	.0290	7:10-----	.70	.0023	.0098
:40-----	.36	.0012	.0033	:20-----	4.98	.0163	.2818	4:00-----	.53	.0017	.0341	:30-----	.73	.0024	.0106
				12:00-----	4.38	.0143	.2920	8:00-----	.50	.0016	.0405	:40-----	.80	.0026	.0110
								12:00-----	.50	.0016	.0469	8:00-----	.80	.0026	.0119
				Nov. 27								:30-----	.76	.0025	.0132
				a. m.											
				12:40-----	4.24	.0139	.0094								
				1:00-----	3.95	.0129	.0139								



TABLE 25.—Run-off watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Dec. 7	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Dec. 12	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Dec. 16	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Dec. 20	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
a. m.				p. m.				a. m.				p. m.			
9:10-----	0.76	0.0025	0.0149	2:45-----	0.87	0.0029	0.0122	4:00-----	6.72	0.0220	0.0377	5:00-----	0.63	0.0021	0.0369
3:30-----	.80	.0026	.0158	5:00-----	.92	.0030	.0124	2:00-----	6.32	.0207	.0448	10:00-----	.60	.0019	.0469
10:10-----	.76	.0025	.0175	3:00-----	1.00	.0032	.0129	4:00-----	5.91	.0193	.0515	12:00-----	.60	.0019	.0507
11:00-----	.73	.0024	.0195	1:00-----	.97	.0032	.0134	5:00-----	5.53	.0181	.0577	Dec. 21			
12:00-----	.66	.0022	.0218	2:00-----	1.40	.0046	.0141	3:00-----	4.80	.0157	.0662	a. m.			
p. m.				2:50-----	1.47	.0048	.0145	6:00-----	5.91	.0193	.0750	2:00-----	.60	.0019	.0038
1:00-----	.63	.0021	.0240	3:45-----	1.33	.0044	.0160	4:00-----	5.16	.0169	.0871	7:00-----	.56	.0018	.0128
2:00-----	.56	.0018	.0259	4:10-----	1.33	.0044	.0178	7:00-----	3.34	.0109	.0917	11:00-----	.53	.0017	.0196
3:00-----	.53	.0017	.0276	2:00-----	1.26	.0041	.0185	2:00-----	3.34	.0109	.0953	p. m.			
4:00-----	.50	.0016	.0292	5:00-----	1.14	.0037	.0205	4:00-----	3.10	.0101	.0988	4:00-----	.50	.0016	.0276
6:00-----	.45	.0015	.0322	5:10-----	1.14	.0037	.0217	8:00-----	2.89	.0093	.1020	12:00-----	.50	.0016	.0404
7:00-----	.43	.0014	.0336	4:00-----	1.33	.0044	.0237	4:00-----	2.61	.0085	.1079	Dec. 22			
9:00-----	.41	.0013	.0354	5:00-----	1.47	.0048	.0245	9:20-----	2.41	.0079	.1134	a. m.			
11:00-----	.38	.0013	.0390	6:00-----	1.69	.0055	.0254	11:00-----	2.05	.0067	.1256	2:00-----	.60	.0019	.0038
12:00-----	.38	.0013	.0403	7:00-----	1.95	.0064	.0259	p. m.				7:00-----	.56	.0018	.0128
Dec. 8				1:00-----	2.51	.0082	.0265	12:20-----	1.86	.0061	.1341	11:00-----	.53	.0017	.0196
a. m.				1:15-----	3.95	.0129	.0274	1:20-----	1.86	.0061	.1402	p. m.			
2:30-----	.36	.0012	.0033	2:00-----	4.24	.0139	.0285	4:00-----	2.05	.0067	.1423	4:00-----	.48	.0016	.0080
5:30-----	.34	.0011	.0066	3:00-----	4.66	.0152	.0309	5:00-----	2.41	.0079	.1438	8:00-----	.48	.0016	.0128
9:00-----	.32	.0010	.0105	4:00-----	4.98	.0163	.0335	2:00-----	2.84	.0093	.1449	12:00-----	.45	.0015	.0188
12:00-----	.30	.0010	.0135	5:00-----	5.35	.0175	.0363	3:00-----	3.10	.0101	.1452	Dec. 23			
p. m.				7:00-----	5.35	.0175	.0392	4:00-----	3.64	.0119	.1459	a. m.			
3:00-----	.32	.0010	.0165	1:00-----	4.98	.0163	.0420	5:00-----	4.52	.0148	.1463	3:00-----	.43	.0014	.0038
5:00-----	.32	.0010	.0185	2:00-----	4.66	.0152	.0446	6:00-----	4.80	.0157	.1494	9:00-----	.43	.0014	.0318
9:00-----	.30	.0010	.0225	4:00-----	4.10	.0134	.0494	8:00-----	4.38	.0143	.1544	12:00-----	.43	.0014	.0360
12:00-----	.28	.0009	.0252	8:00-----	3.49	.0114	.0535	3:00-----	3.80	.0124	.1588	Dec. 24			
Dec. 9				2:00-----	2.97	.0097	.0570	4:00-----	3.34	.0109	.1627	a. m.			
a. m.				4:00-----	2.72	.0089	.0601	5:00-----	2.97	.0097	.1661	3:00-----	.43	.0014	.0042
4:00-----	.28	.0009	.0036	9:00-----	2.51	.0082	.0629	6:00-----	2.72	.0089	.1692	9:00-----	.41	.0013	.0120
6:40-----	.26	.0009	.0060	2:00-----	2.32	.0076	.0655	7:00-----	2.51	.0082	.1720	p. m.			
7:10-----	.24	.0008	.0064	4:00-----	2.23	.0073	.0679	8:00-----	2.41	.0079	.1747	2:00-----	.38	.0013	.0185
7:50-----	.21	.0007	.0069	10:00-----	2.05	.0067	.0702	9:00-----	2.32	.0076	.1773	4:00-----	.38	.0013	.0211
8:40-----	.24	.0008	.0075	11:00-----	1.86	.0061	.0766	10:00-----	2.23	.0073	.1798	7:00-----	.36	.0012	.0247
9:00-----	.26	.0009	.0078	12:00-----	1.62	.0053	.0823	11:00-----	2.05	.0067	.1845	12:00-----	.34	.0011	.0302
10:00-----	.28	.0009	.0087	Dec. 13				12:00-----	2.05	.0067	.1845	Dec. 25			
11:00-----	.26	.0009	.0096	a. m.				6:00-----	1.86	.0061	.1845	a. m.			
p. m.				1:00-----	1.47	.0048	.0051	7:00-----	1.86	.0061	.1909	5:00-----	.34	.0011	.0060
1:00-----	.26	.0009	.0114	2:00-----	1.33	.0044	.0097	8:00-----	1.67	.0055	.1967	8:00-----	.32	.0010	.0094
2:00-----	.28	.0009	.0123	3:00-----	1.19	.0039	.0138	9:00-----	1.62	.0053	.2021	11:30-----	.34	.0011	.0119
12:00-----	.28	.0009	.0213	4:00-----	1.14	.0037	.0176	10:00-----	1.54	.0050	.2073	p. m.			
Dec. 10				5:00-----	1.02	.0033	.0211	11:00-----	1.47	.0048	.2122	1:00-----	.36	.0012	.0136
a. m.				6:00-----	.97	.0032	.0243	12:00-----	1.47	.0048	.2170	3:00-----	.38	.0013	.0162
3:00-----	.28	.0009	.0027	7:00-----	.92	.0030	.0274	Dec. 17				8:00-----	.38	.0013	.0227
5:00-----	.26	.0009	.0045	8:00-----	.87	.0029	.0303	a. m.				12:00-----	.36	.0012	.0275
12:00-----	.26	.0009	.0108	9:00-----	.83	.0027	.0331	1:00-----	1.40	.0046	.0047	Dec. 26			
p. m.				10:00-----	.80	.0026	.0357	3:30-----	1.26	.0041	.0155	a. m.			
5:00-----	.24	.0008	.0148	12:00-----	.76	.0025	.0407	5:00-----	1.19	.0039	.0215	5:00-----	.34	.0011	.0060
12:00-----	.24	.0008	.0204	Dec. 14				7:00-----	1.14	.0037	.0391	8:00-----	.32	.0010	.0093
Dec. 11				p. m.				9:00-----	1.08	.0035	.0363	10:00-----	.34	.0011	.0113
a. m.				2:00-----	.73	.0024	.0455	11:00-----	1.02	.0033	.0431	11:30-----	.34	.0011	.0130
4:00-----	.23	.0007	.0032	5:00-----	.70	.0023	.0527	Dec. 18				p. m.			
8:00-----	.23	.0007	.0060	8:00-----	.66	.0022	.0593	a. m.				1:00-----	.36	.0012	.0147
12:00-----	.21	.0007	.0088	12:00-----	.63	.0021	.0677	1:00-----	1.02	.0033	.0497	5:00-----	.36	.0012	.0195
p. m.				Dec. 15				4:00-----	.97	.0032	.0593	9:00-----	.34	.0011	.0239
12:00-----	.21	.0007	.0172	a. m.				7:00-----	.92	.0030	.0686	10:40-----	.36	.0012	.0257
Dec. 12				1:00-----	.60	.0019	.0108	12:00-----	.92	.0030	.0836	11:20-----	.38	.0013	.0265
a. m.				4:30-----	.56	.0018	.0162	Dec. 19				4:00-----	.41	.0013	.0269
2:00-----	.21	.0007	.0014	7:30-----	.53	.0017	.0225	a. m.				12:00-----	.45	.0015	.0274
7:00-----	.23	.0007	.0049	11:00-----	.53	.0017	.0225	1:00-----	.87	.0029	.0120	Dec. 27			
11:00-----	.24	.0008	.0077	p. m.				9:00-----	.83	.0027	.0260	a. m.			
4:00-----	.26	.0009	.0082	3:00-----	.56	.0018	.0293	Dec. 20				1:00-----	.60	.0019	.0017
p. m.				7:00-----	.53	.0017	.0361	a. m.				5:00-----	.66	.0022	.0024
12:00-----	.21	.0007	.0172	12:00-----	.50	.0016	.0441	1:00-----	.80	.0026	.0390	2:00-----	.70	.0023	.0028
Dec. 13				Dec. 16				5:00-----	.80	.0026	.0468	3:00-----	.76	.0025	.0036
a. m.				a. m.				9:00-----	.76	.0025	.0568	4:00-----	.83	.0027	.0043
1:00-----	.23	.0007	.0032	12:40-----	.53	.0017	.0011	12:00-----	.76	.0025	.0643	5:30-----	.83	.0027	.0132
3:00-----	.23	.0007	.0060	1:00-----	.63	.0021	.0017	Dec. 21				6:00-----	.80	.0026	.0145
12:00-----	.21	.0007	.0088	1:20-----	.76	.0025	.0025	a. m.				7:00-----	.76	.0025	.0162
Dec. 14				4:00-----	.92	.0030	.0034	1:00-----	.73	.0024	.0125	8:00-----	.66	.0022	.0193
a. m.				5:00-----	1.14	.0037	.0040	5:00-----	.70	.0023	.0125	9:00-----	.63	.0021	.0214
4:30-----	.23	.0007	.0032	2:00-----	1.54	.0050	.0047	9:00-----	.70	.0023	.0125	10:00-----	.60	.0019	.0234
7:30-----	.26	.0008	.0064	3:00-----	2.23	.0073	.0052	11:00-----	.70	.0023	.0125	11:00-----	.56	.0018	.0255
11:00-----	.24	.0008	.0077	4:00-----	.92	.0030	.0034	Dec. 22				Dec. 28			
4:00-----	.26	.0009	.0082	5:00-----	1.14	.0037	.0040	a. m.				a. m.			
p. m.				2:00-----	1.54	.0050	.0047	1:00-----	.73	.0024	.0125	2:00-----	.50	.0016	.0008
12:00-----	.21	.0007	.0172	3:00-----	2.23	.0073	.0052	5:00-----	.73	.0024	.0125	3:00-----	.60	.0019	.0017
Dec. 15				4:00-----	2.51	.0082	.0058	9:00-----	.70	.0023	.0125	4:00-----	.66	.0022	.0024
a. m.				5:00-----	2.61	.0085	.0072	12:00-----	.70	.0023	.0125	5:00-----	.70	.0023	.0028
1:00-----	.23	.0007	.0032	6:00-----	2.84	.0093	.0087	Dec. 23				6:00-----	.73	.0024	.0036
3:00-----	.23	.0007	.0060	7:00-----	3.34	.0109	.0104	a. m.				7:00-----	.76	.0025	.0040
12:00-----	.21	.0007	.0088	8:00-----	3.95	.0129	.0124	1:00-----	.70	.0023	.0125	8:00-----	.88	.0026	.0048
Dec. 16				9:00-----	4.98	.0163	.0195	5:00-----	.70	.0023	.0125	9:00-----	.80	.0026	.0065
a. m.				10:00-----	5.33	.0175	.0205	9:00-----	.70	.0023	.0125	10:00-----	.83	.0027	.0091
1:00-----	.23	.0007	.0032	11:00-----	5.91	.0193	.0217	12:00-----	.70	.0023	.0125	11:00-----	.83	.0027	.0132
3:00-----	.23	.0007	.0060	Dec. 17				Dec. 24				12:00-----	.80	.0026	.0145
12:00-----	.21	.0007	.0088	a. m.				a. m.				Dec. 29			
Dec. 17				1:00-----	.60	.0019	.0108	1:00-----	.87	.0029	.0120	a. m.			
a. m.				4:30-----	.56	.0018	.0162	5:00-----	.83	.0027	.0260	2:00-----	.60	.0019	.0017
1:00-----	.23	.0007	.0032	7:30-----	.53	.0017	.0225	9:00-----	.70	.0023	.0125	3:00-----	.66	.0022	.0024
3:00-----	.23	.0007	.0060	11:00-----	.53	.0017	.0225	12:00-----	.70	.0023	.0125	4:00-----	.70		



TABLE 25.—Run-off from watershed 196, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days	Date and time	Instantaneous rate of run-off		Accumulated run-off by days
Dec. 26	Second-foot	Inches per hour	Inches	Dec. 28	Second-foot	Inches per hour	Inches	Dec. 29	Second-foot	Inches per hour	Inches	Dec. 29	Second-foot	Inches per hour	Inches
<i>p. m.</i>				<i>a. m.</i>				<i>a. m.</i>				<i>p. m.</i>			
1:00-----	0.53	0.0017	0.0286	12:20-----	2.05	0.0067	0.0022	1:30-----	4.24	0.0139	0.0244	3:00-----	3.64	0.0119	0.3850
4:00-----	.50	.0016	.0334	1:00-----	1.86	.0061	.0065	:40-----	4.24	.0139	.0267	:20-----	3.49	.0114	.3889
7:00-----	.48	.0016	.0382	2:00-----	1.69	.0055	.0123	:50-----	4.52	.0148	.0291	4:30-----	3.22	.0105	.4016
10:00-----	.45	.0015	.0427	3:00-----	1.62	.0053	.0177	2:00-----	5.35	.0175	.0318	5:00-----	2.97	.0097	.4067
12:00-----	.45	.0015	.0457	5:00-----	1.62	.0053	.0283	:05-----	6.11	.0200	.0334	:20-----	2.72	.0089	.4098
				6:00-----	1.54	.0050	.0334	:10-----	7.66	.0251	.0353	:40-----	2.61	.0085	.4127
Dec. 27				7:00-----	1.47	.0048	.0383	:12-----	9.19	.0301	.0362	6:40-----	2.61	.0085	.4212
<i>a. m.</i>				8:00-----	1.40	.0046	.0430	:14-----	11.6	.0380	.0373	7:30-----	2.72	.0089	.4284
5:00-----	.43	.0014	.0075	9:00-----	1.33	.0044	.0475	:16-----	14.4	.0471	.0387	9:00-----	2.84	.0093	.4428
10:00-----	.41	.0013	.0140	10:00-----	1.26	.0041	.0517	:20-----	15.4	.0504	.0420	10:30-----	2.97	.0097	.4571
				11:00-----	1.19	.0039	.0557	:30-----	16.7	.0546	.0508	11:00-----	3.10	.0101	.4720
<i>p. m.</i>								:40-----	18.4	.0602	.0604	12:00-----	3.10	.0101	.4821
3:40-----	.41	.0013	.0214	<i>p. m.</i>				:50-----	19.8	.0648	.0708				
4:00-----	.43	.0014	.0218	1:00-----	1.14	.0037	.0633	:55-----	20.6	.0674	.0763	Dec. 30			
:20-----	.50	.0016	.0223	2:30-----	1.08	.0035	.0681	3:00-----	20.6	.0674	.0819	<i>a. m.</i>			
:40-----	.63	.0021	.0229	5:00-----	1.02	.0033	.0766	:10-----	19.3	.0632	.0928	1:00-----	3.22	.0105	.0102
:50-----	.76	.0025	.0233	6:20-----	1.02	.0033	.0810	:20-----	18.0	.0589	.1030	4:00-----	3.22	.0105	.0417
5:00-----	.92	.0030	.0238	:40-----	1.08	.0035	.0821	:40-----	15.8	.0517	.1214	5:00-----	3.10	.0101	.0519
:05-----	1.14	.0037	.0241	7:00-----	1.26	.0041	.0834	:00-----	13.6	.0445	.1374	6:00-----	2.97	.0097	.0618
:10-----	1.33	.0044	.0244	:20-----	1.40	.0046	.0848	:20-----	11.6	.0380	.1511	7:30-----	2.84	.0093	.0761
:12-----	1.77	.0058	.0246	:30-----	1.62	.0053	.0856	:30-----	11.6	.0380	.1574	9:30-----	2.61	.0085	.0939
:14-----	2.23	.0073	.0248	:40-----	2.23	.0073	.0867	:40-----	12.2	.0399	.1639	11:00-----	2.51	.0082	.1064
:16-----	2.72	.0089	.0251	:55-----	2.32	.0076	.0886	:50-----	13.3	.0435	.1709				
:18-----	3.10	.0101	.0254	8:05-----	2.23	.0073	.0898	5:05-----	13.3	.0435	.1818	<i>p. m.</i>			
:20-----	3.80	.0124	.0258	:20-----	2.05	.0067	.0916	:20-----	12.2	.0399	.1922	1:00-----	2.51	.0082	.1228
:25-----	4.52	.0148	.0269	:40-----	1.95	.0064	.0938	:40-----	10.3	.0337	.2045	3:00-----	2.41	.0079	.1389
:30-----	4.80	.0157	.0282	9:00-----	1.86	.0061	.0959	6:00-----	9.19	.0301	.2151	4:30-----	2.32	.0076	.1506
:32-----	4.52	.0148	.0287	:20-----	1.86	.0061	.0979	:20-----	7.90	.0258	.2244	6:00-----	2.23	.0073	.1617
:40-----	4.80	.0157	.0307	:40-----	2.05	.0067	.1000	:40-----	6.52	.0213	.2401	7:30-----	2.14	.0070	.1725
:45-----	4.98	.0163	.0320	:50-----	2.23	.0073	.1012	7:00-----	6.52	.0213	.2470	9:00-----	2.05	.0067	.1827
:50-----	4.80	.0157	.0333	10:00-----	2.51	.0082	.1025	:20-----	6.11	.0200	.2503	12:00-----	1.95	.0064	.2022
6:00-----	4.66	.0152	.0359	:20-----	2.72	.0089	.1053	:30-----	5.91	.0193	.2503				
:02-----	4.80	.0157	.0364	:40-----	2.61	.0085	.1082	8:00-----	5.91	.0193	.2600	Dec. 31			
:10-----	4.38	.0143	.0384	:50-----	2.61	.0085	.1096	:30-----	6.32	.0207	.2700	<i>a. m.</i>			
:20-----	4.10	.0134	.0407	11:00-----	2.72	.0089	.1111	:00-----	6.52	.0213	.2805	1:00-----	1.86	.0061	.0063
:30-----	3.80	.0124	.0429	:20-----	2.84	.0093	.1141	:10-----	6.72	.0220	.2841	4:00-----	1.77	.0058	.0240
:40-----	3.34	.0109	.0448	:30-----	3.10	.0101	.1157	:30-----	6.72	.0220	.2914	7:00-----	1.69	.0055	.0408
7:00-----	2.84	.0093	.0482	:40-----	4.10	.0134	.1177	:50-----	6.96	.0228	.2989	10:00-----	1.62	.0053	.0570
:20-----	2.61	.0085	.0512	:45-----	4.52	.0148	.1189	10:10-----	6.72	.0220	.3064				
:40-----	2.41	.0079	.0539	12:00-----	4.98	.0163	.1228	:20-----	6.52	.0213	.3100	<i>p. m.</i>			
8:00-----	2.23	.0073	.0564	Dec. 29				:40-----	5.91	.0193	.3168	1:00-----	1.54	.0050	.0726
:20-----	2.05	.0067	.0587	<i>a. m.</i>				11:00-----	5.53	.0181	.3230	8:00-----	1.54	.0050	.1076
9:00-----	1.86	.0061	.0630	12:20-----	5.53	.0181	.0057	:20-----	5.16	.0169	.3288	12:00-----	1.47	.0048	.1272
:40-----	1.77	.0058	.0669	:40-----	5.16	.0169	.0115	12:00-----	4.80	.0157	.3397				
10:00-----	1.77	.0058	.0688	1:00-----	4.80	.0157	.0169	<i>p. m.</i>							
:30-----	1.86	.0061	.0718	:20-----	4.52	.0148	.0220	12:30-----	4.52	.0148	.3473				
11:00-----	2.05	.0067	.0750					1:00-----	4.38	.0143	.3590				
12:00-----	2.05	.0067	.0817					2:00-----	3.95	.0129	.3726				

<sup>1</sup> Rate at 12:00 p. m.; accumulated run-off for the day.

TABLE 26.—Run-off from watershed 102, 1940

LOCATION: Latitude 40°22'28", longitude 81°47'40".

## PHYSICAL CHARACTERISTICS:

*Drainage area.*—1.25 acres.*Length of principal watercourse.*—350 feet.*Topography.*—Drainage area is of uniform slope without gullies or other marked drainage pattern. Aspect is to the east.*Slope.*—Average slope is 18.2 percent. 17 percent of the watershed has a slope of 6 to 10 percent, 59 percent has a slope of 10 to 20 percent, and 24 percent has a slope of 20 percent or more.*Erosion condition.*—Sheet erosion has removed 50 to 75 percent of the topsoil from this watershed. There is no gully erosion.*Soil.*—Muskingum silt loam is the predominant soil.*Special features.*—Records can be compared with those from lysimeter battery Y101 and adjoining watershed 104. All these units have grass cover.

## LAND USE AND VEGETAL COVER:

*Land use distribution.*—Permanent grass cover pastured under prevailing practices, 100 percent.*Vegetal cover and soil condition.*—Litter during the growing season was composed of dead grass averaging 200 pounds to the acre. Cover and soils were as follows:

January 10, soil moist and loose, grass and weeds 2 inches high.

January 24, soil moist and hard, grass and weeds 2 inches high, frost penetration 2 inches.

February 7, soil moist and firm, grass and weeds 2 inches high, frost penetration 1½ inches.

February 21 and March 5, soil fairly wet and soft, grass and weeds 2 inches high.

March 20 and April 5, soil moist and soft, grass and weeds 2 inches high.

April 17, soil fairly wet and soft, grass and weeds 2 inches high.

May 7, soil moist and soft, grass 4 inches and weeds 2 inches high.

May 22, soil dry and loose; grass 4 inches, weeds 6 inches, and briars 3 inches high.

June 5, soil dry and loose; grass 5 inches, weeds 6 inches, and briars 4 inches high.

June 17, soil moist and soft; grass 7 inches, weeds 6 inches, and briars 4 inches high.

July 9, soil moist and soft; grass 16 inches, weeds 12 inches, and briars 4 inches high.

July 25, soil moist and soft; grass 16 inches, weeds 12 inches, and briars 7 inches high.

August 7, soil dry and loose; grass 16 inches, weeds 12 inches, and briars 8 inches high.



TABLE 26.—Run-off from watershed 102, 1940—Continued

August 21, soil dry and loose; grass 6 inches, weeds 10 inches, and briars 7 inches high.

September 13, soil dry and loose; grass 5 inches, weeds 6 inches, and briars 4 inches high.

September 27, soil moist and soft; grass 5 inches, weeds 5 inches, and briars 4 inches high.

October 10, soil dry and loose; grass 3 inches, weeds 4 inches, and briars 3 inches high.

October 24, soil dry and loose; grass 3 inches, weeds 3 inches, and briars 3 inches high.

November 7, soil moist and soft; grass 3 inches, weeds 3 inches, and briars 2 inches high.

November 29, soil moist and soft; grass 2 inches, weeds 2 inches, and briars 2 inches high; frost trace at the surface.

December 10, soil moist and soft; grass 1 inch, weeds 2 inches, and briars 1 inch high.

## MEASUREMENTS:

Precipitation.—Rainfall was measured at one recording rain

gage, Y101 (fig. 2). Snowfall was measured by the rain gage supplemented by a snow board. Snow inventory on the watershed was obtained by surveys and observations to determine depth, distribution, and water equivalent.

Run-off.—Run-off was measured by a Parshall flume of 12-inch throat width. The records of run-off are excellent. The laboratory rating was used.

Soil loss.—Records of soil loss in run-off water were obtained by silt box and Ramser automatic sampling unit placed at outlet of measuring flume.

Changes in instrumentation during year.—None.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, MARCH 1937 TO DECEMBER 1940:

Rainfall.—Total precipitation 1940, 44.61 inches; average annual precipitation for period of record, 41.21 inches.

Run-off.—Annual run-off amount 1940, 0.595 inch; maximum rate of run-off for period of record, 0.913 inch per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
Jan. 1-Apr. 18	Second-foot 0	Inches per hour 0	Inches 0	June 28	Second-foot 0.04	Inches per hour 0.0333	Inches 0.0223	July 24-Aug. 13	Second-foot 0	Inches per hour 0	Inches 0
Apr. 19 <sup>1</sup>				8:16	0.02	0.0150	0.0248	Aug. 14 <sup>5</sup>			
a. m.				:20	T	0.0032	0.0255				
10:20	0	0	0	:25	0	0	0.0257				
:38	T	0.003	0.0006	:30	0	0	0	p. m.			
:45	.01	.008	.0012	:55	0	0	0	1:59	0	0	0
:50	.02	.015	.0022	:56	T	.0032	.0002	2:05	.01	.0079	.0004
:55	.03	.024	.0038	:57	.02	.0150	.0002	:09	.01	.0079	.0009
11:00	.03	.024	.0058	:58	.03	.0238	.0005	:12	.02	.0150	.0015
:10	.04	.033	.0106	9:03	.04	.0333	.0029	:13	.04	.0333	.0019
:16	.04	.033	.0139	:05	.10	.0810	.0048	:14	.10	.0810	.0029
:25	.06	.044	.0196	:07	.12	.0953	.0077	:15	.12	.0953	.0044
:40	.06	.044	.0306	:08	.29	.233	.0105	:17	.09	.0683	.0071
:50	.04	.033	.0371	:09	.61	.484	.0166	:19	.06	.0437	.0089
12:00	.03	.024	.0418	:09	.88	.699	.0267	:20	.03	.0238	.0095
Apr. 20				:10	.99	.786	.0393	:22	.02	.0150	.0101
a. m.				:11	.11	.881	.0535	:23	.01	.0079	.0103
12:20	.03	.024	.0498	:12	1.15	.913	.0687	:26	T	.0032	.0106
:32	.02	.015	.0538	:13	1.07	.850	.0837	:31	0	0	.0107
:40	.01	.008	.0553	:14	.99	.786	.0976	Aug. 15-17	0	0	0
:45	T	T	.0556	:15	.92	.731	.1105	Aug. 18 <sup>6</sup>			
1:00	0	0	.0556	:16	.77	.611	.1326	6:14	0	0	0
Apr. 21-June 17	0	0	0	:18	.61	.484	.1507	p. m.			
June 18 <sup>2</sup>				:22	.49	.389	.1652	:17	.01	.0079	.0002
3:35	0	0	0	:24	.37	.294	.1765	:18	T	.0032	.0003
:45	.01	.008	.0007	:25	.32	.253	.1811	:23	T	T	.0004
:54	.03	.024	.0031	:26	.29	.233	.1852	:24	T	T	.0004
:57	.04	.033	.0046	:27	.25	.195	.1888	:26	T	.0032	.0005
:58	.06	.044	.0052	:30	.18	.142	.1973	:31	0	0	.0006
4:05	.06	.044	.0103	:32	.12	.0953	.2021	Aug. 19-26	0	0	0
:08	.04	.033	.0123	:34	.10	.0810	.2041	Aug. 27 <sup>7</sup>			
:15	.02	.015	.0151	:36	.07	.0556	.2064	a. m.			
:25	.01	.008	.0171	:38	.06	.0437	.2081	9:33	0	0	0
:35	0	0	.0178	:42	.04	.0333	.2107	:40	T	.0032	.0002
June 19-27	0	0	0	:45	.03	.0238	.2121	:46	.01	.0079	.0008
June 28 <sup>3</sup>				:50	.02	.0150	.2138	:49	.02	.0150	.0014
a. m.				10:00	T	.0032	.2153	:51	.01	.0079	.0018
7:45	0	0	0	:10	0	0	.2156	:57	T	.0032	.0024
:46	.01	.0079	.0001	June 29	0	0	0	10:00	T	.0032	.0026
:47	.04	.0333	.0004	July 22	0	0	0	:02	.01	.0079	.0028
:48	.04	.0333	.0010	July 23 <sup>4</sup>				:04	.03	.0238	.0033
:49	.07	.0556	.0018	p. m.				:05	.06	.0437	.0039
:50	.12	.0953	.0031	7:37	0	0	0	:06	.09	.0683	.0048
:51	.12	.0953	.0047	:38	.02	.0150	.0001	:07	.16	.126	.0064
:53	.09	.0683	.0074	:39	.04	.0333	.0005	:08	.18	.142	.0086
:55	.10	.0810	.0098	:40	.09	.0683	.0013	:09	.20	.160	.0111
:57	.10	.0810	.0125	:41	.16	.126	.0028	:10	.22	.177	.0139
8:00	.07	.0556	.0160	:42	.16	.126	.0049	:11	.40	.318	.0180
:02	.04	.0333	.0175	:43	.14	.110	.0069	:12	.64	.508	.0250
:05	.03	.0238	.0189	:44	.12	.0953	.0103	:13	.77	.611	.0343
:07	.02	.0150	.0196	:45	.09	.0683	.0144	:14	.95	.754	.0357
:09	.02	.0150	.0201	:48	.06	.0437	.0163	:15	1.07	.850	.0491
:14	.04	.0333	.0221	:50	.03	.0238	.0174	:16	1.11	.881	.0535
				:52	.01	.0079	.0182	:17	1.11	.881	.0783
				:55	T	.0032	.0184	:18	1.03	.819	.0925
				:57	T	T	.0185	:19	.95	.754	.1056
				8:00	0	0	.0185				

<sup>1</sup> Total rainfall for storm of Apr. 19-20, 2.05 inches. No soil loss in run-off water. Grass 2 inches, weeds 2 inches. Soil wet to moist, soft.

<sup>2</sup> Total rainfall for storm of June 18, 1.07 inches. No soil loss in run-off water. Grass 7 inches, weeds 6 inches, briars 4 inches. Soil moist and soft.

<sup>3</sup> Total rainfall for storm of June 28, 1.02 inches. No soil loss in run-off water. Grass 12 inches, weeds 9 inches, briars 4 inches. Soil moist and soft.

<sup>4</sup> Total rainfall for storm of July 23, 1.59 inches. No soil loss in run-off water. Grass 16 inches, weeds 12 inches, briars 7 inches. Soil dry and soft.

<sup>5</sup> Total rainfall for storm of Aug. 14, 0.39 inch. No soil loss in run-off water. Grass

11 inches, weeds 11 inches, briars 8 inches. Soil dry and loose.

<sup>6</sup> Total rainfall for storm of Aug. 18, 0.35 inch (gage Y102). No soil loss in run-off water. Grass 8 inches, weeds 10 inches, briars 7 inches. Soil dry and loose.

<sup>7</sup> Total rainfall for storm of Aug. 27, 2.26 inches (gage at meteorological station). Total soil loss in run-off water 0.006 ton per acre. Grass 6 inches, weeds 10 inches, briars 7 inches. Soil dry and loose.

<sup>8</sup> Total rainfall for storm of Aug. 29-30, 1.08 inches. No soil loss in run-off water. Grass 6 inches, weeds 10 inches, briars 7 inches. Soil dry and loose.



TABLE 27.—Run-off from watershed 104, 1940

LOCATION: Latitude 40°22'12'', longitude 81°47'40''.

# PHYSICAL CHARACTERISTICS:

Drainage area.—1.33 acres.

Length of principal watercourse.—400 feet.

Topography.—Drainage area is of uniform slope without gullies or other marked drainage pattern. Aspect is to the east.

Slope.—Average slope is 20.7 percent. 44 percent of the watershed has a slope of 10 to 20 percent and 56 percent has a slope of 20 percent or more.

Erosion condition.—Sheet erosion has removed 50 to 75 percent of the topsoil from this watershed. There is no gully erosion.

Soil.—Muskingum silt loam is the predominant soil.

Special features.—Records can be compared with those from lysimeter battery Y101 and adjoining watershed 102. All these units have grass cover.

# LAND USE AND VEGETAL COVER:

Land use distribution.—Permanent grass cover pastured under prevailing practices, 100 percent.

Vegetal cover and soil condition.—Litter during the growing season was composed of grass and weed residue averaging 500 pounds to the acre. Cover and soils were as follows:

January 11, soil moist and firm, grass and weeds 2 inches high.

January 25, soil moist and hard, grass and weeds 2 inches high, frost penetration 2 inches.

February 8, soil dry and hard, grass and weeds 2 inches high, frost penetration 3 inches.

February 23, soil moist and firm, grass and weeds 2 inches high.

March 6, soil soggy and soft, grass and weeds 2 inches high.

March 21 and April 5, soil moist and soft, grass and weeds 2 inches high.

April 11, 2 pounds hybrid white clover and 5 pounds Kentucky bluegrass per acre seeded with 5 tons manure, 3 tons lime, and 400 pounds 0-14-6 fertilizer per acre.

April 24, soil moist and loose, grass 3 inches and weeds 2 inches high.

May 8, soil moist and soft, grass 4 inches and weeds 2 inches high.

May 22, soil dry and loose; grass 4 inches, weeds 3 inches, and briers 2 inches high.

June 5, soil dry and loose; grass 4 inches, weeds 5 inches, and briers 5 inches high.

June 17, soil moist and soft; grass 6 inches, weeds 7 inches, and briers 5 inches.

July 9, soil moist and soft; grass 18 inches, weeds 12 inches, and briers 5 inches high.

July 24, soil dry and soft; grass 24 inches, weeds 18 inches, and briers 6 inches.

August 9, soil dry and loose; grass 14 inches, weeds 8 inches, and briers 6 inches.

August 22, soil dry and loose; grass 14 inches, weeds 20 inches, and briers 6 inches high.

September 13, soil dry and loose; grass 14 inches, weeds 20 inches, and briers 5 inches high.

September 27, soil moist and soft; grass 7 inches, weeds 7 inches, and briers 4 inches high.

October 10, soil dry and soft; grass 7 inches, weeds 6 inches, and briers 2 inches high.

October 24, soil dry and soft; grass 6 inches, weeds 4 inches, and briers 1 inch high.

November 7, soil moist and soft, grass 5 inches and weeds 4 inches high.

November 28, soil moist and soft, grass 4 inches and weeds 3 inches high.

December 11, soil moist and soft, grass and weeds 3 inches high.

# MEASUREMENTS:

Precipitation.—Rainfall was measured at one recording rain gage, Y101 (fig. 2). Snowfall was measured by the rain gages supplemented by a snow board. Snow inventory on the watershed was obtained by surveys and observations to determine depth, distribution, and water equivalent.

Run-off.—Run-off was measured by a Parshall flume of 12-inch throat width. The records of run-off are excellent. The laboratory rating was used.

Soil loss.—Records of soil loss in run-off water were obtained by silt box and Ramser automatic sampling unit placed at outlet of measuring flume.

Changes in instrumentation during year.—None.

# SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, MARCH 1937 TO DECEMBER 1940:

Rainfall.—Total precipitation 1940, 44.61 inches; average annual precipitation for period of record, 41.21 inches.

Run-off.—Annual run-off amount 1940, 0.619 inch; maximum rate of run-off for period of record, 0.842 inch per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Jan. 1-Apr. 18-----	0	0	0	Apr. 19 <sup>1</sup>				May 6 <sup>2</sup>				June 18 <sup>3</sup>			
Apr. 19 <sup>1</sup>				p. m.				p. m.				p. m.			
				11:52-----	0.04	0.0318	0.0467	6:39-----	T	0.0030	0.0001	3:40-----	T	0.0030	0.0003
				:55-----	.03	.0227	.0481	:40-----	.01	.0076	.0008	:52-----	.02	.0144	.0004
				12:00-----	.01	.0076	.0494	:42-----	T	.0030	.0003	:53-----	.09	.0652	.0011
								:52-----	T	.0030	.0008	:54-----	.14	.105	.0026
p. m.				Apr. 20				:54-----	.01	.0076	.0010	:55-----	.16	.121	.0045
10:15-----	0	0	0	a. m.				:56-----	.02	.0144	.0014	:56-----	.20	.152	.0068
:34-----	T	.0030	.0005	12:10-----	T	.0030	.0503	:58-----	.04	.0318	.0022	:57-----	.32	.242	.0101
:38-----	.01	.0076	.0009	:40-----	0	0	.0511	:03-----	.03	.0227	.0031	:58-----	.46	.349	.0151
:43-----	.02	.0144	.0018					:05-----	.01	.0076	.0039	:59-----	.58	.440	.0219
:50-----	.03	.0227	.0040	Apr. 21-				8:05-----	0	0	.0056	:01-----	.68	.517	.0300
:55-----	.04	.0318	.0063	May 5-----	0	0	0	May 7-June				:02-----	.71	.538	.0390
11:10-----	.04	.0318	.0143	May 6 <sup>2</sup>				17-----	0	0	0	:04-----	.68	.517	.0564
:15-----	.06	.0417	.0174	p. m.								:05-----	.58	.440	.0645
:30-----	.07	.0534	.0293	6:38-----	0	0	0					:06-----	.49	.372	.0714
:40-----	.07	.0531	.0382												
:47-----	.06	.0417	.0437												

<sup>1</sup> Total rainfall for storm of Apr. 19-20, 2.05 inches. Total soil loss in run-off water, 0.033 ton per acre. Grass 3 inches, weeds 2 inches. Soil moist and soft.

<sup>2</sup> Total rainfall for storm of May 6, 1.00 inch. No soil loss in run-off water. Grass 4 inches, weeds 2 inches. Soil moist and soft.

<sup>3</sup> Total rainfall for storm of June 18, 1.07 inches. No soil loss in run-off water. Grass 6 inches, weeds 7 inches, briers 5 inches. Soil moist and soft.



TABLE 27.—Run-off from watershed 104, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 18				June 28				July 23				Aug. 27			
p. m.				a. m.				p. m.				a. m.			
4:07-----	0.40	0.303	0.0771	9:21-----	0	0	0	7:52-----	0.10	0.0773	0.0108	10:18-----	0.51	0.387	0.0321
:08-----	.32	.242	.0817	:22-----	.01	.0076	.0001	:53-----	.12	.0910	.0122	:20-----	.40	.303	.0436
:09-----	.27	.205	.0835	:23-----	.07	.0531	.0006	:54-----	.12	.0910	.0137	:21-----	.35	.262	.0483
:10-----	.22	.169	.0887	:24-----	.10	.0773	.0017	:55-----	.10	.0773	.0151	:24-----	.20	.152	.0586
:11-----	.20	.152	.0914	:25-----	.14	.105	.0033	:57-----	.07	.0531	.0173	:26-----	.16	.121	.0632
:12-----	.16	.121	.0937	:26-----	.25	.186	.0058	:59-----	.04	.0318	.0187	:28-----	.12	.0910	.0667
:13-----	.14	.105	.0956	:27-----	.43	.326	.0102	8:00-----	.03	.0227	.0192	:32-----	.09	.0652	.0719
:14-----	.10	.0773	.0972	:28-----	.64	.485	.0171	:02-----	.02	.0144	.0198	:40-----	.06	.0417	.0790
:15-----	.09	.0652	.0984	:29-----	.88	.667	.0269	:04-----	.01	.0076	.0202	:45-----	.03	.0227	.0817
:17-----	.06	.0417	.1002	:30-----	1.07	.811	.0395	:10-----	T	.0030	.0207	:51-----	.01	.0076	.0832
:20-----	.03	.0227	.1018	:31-----	1.11	.842	.0535	:20-----	0	0	.0210	:55-----	T	.0030	.0836
:23-----	.01	.0076	.1026	:32-----	1.07	.811	.0675	July 24-Aug.				11:00-----	T	.0030	.0839
:25-----	T	.0030	.1028	:33-----	.99	.751	.0808	13-----	0	0	0	:45-----	0	0	.0850
:30-----	0	0	.1029	:34-----	.88	.667	.0929								
June 19-27	0	0	0	:35-----	.80	.607	.1037								
June 28 <sup>4</sup>				:36-----	.74	.561	.1136	Aug. 14 <sup>6</sup>							
a. m.				:37-----	.64	.485	.1225	p. m.				2:24-----	0	0	0
8:03-----	0	0	0	:38-----	.58	.440	.1304	1:37-----	0	0	0	:25-----	.01	.0076	.0001
:07-----	.01	.0076	.0003	:40-----	.49	.372	.1438	:39-----	.01	.0076	.0001	:27-----	.02	.0144	.0004
:08-----	.07	.0531	.0008	:41-----	.43	.326	.1497	2:00-----	0	0	.0014	:40-----	.01	.0076	.0028
:09-----	.18	.136	.0024	:42-----	.37	.280	.1549	:02-----	.01	.0076	.0015	:50-----	T	.0030	.0038
:10-----	.16	.121	.0066	:43-----	.32	.242	.1593	:11-----	.01	.0076	.0026	3:00-----	0	0	.0041
:11-----	.16	.121	.0066	:44-----	.29	.223	.1633	:15-----	.03	.0227	.0036				
:12-----	.18	.136	.0088	:46-----	.22	.169	.1698	:19-----	.01	.0076	.0046	Aug. 28-29	0	0	0
:13-----	.25	.186	.0115	:50-----	.14	.105	.1788	:25-----	T	.0030	.0051	Aug. 30 <sup>8</sup>			
:14-----	.40	.303	.0157	:52-----	.10	.0773	.1818	:27-----	T	.0030	.0052	a. m.			
:15-----	.51	.387	.0216	:54-----	.09	.0652	.1842	:30-----	.01	.0076	.0055	7:24-----	0	0	0
:16-----	.58	.440	.0286	:55-----	.07	.0531	.1852	:40-----	T	.0030	.0065	:26-----	.01	.0076	.0001
:18-----	.58	.440	.0427	10:00-----	.04	.0318	.1887	3:00-----	0	0	.0070	:28-----	.03	.0227	.0006
:19-----	.54	.409	.0499	:05-----	.02	.0144	.1906	Aug. 15-26	0	0	0	:30-----	.04	.0318	.0015
:20-----	.49	.372	.0565	:10-----	T	.0030	.1913	Aug. 27 <sup>7</sup>				:34-----	.06	.0417	.0040
:21-----	.40	.303	.0622	11:00-----	0	0	.1925	a. m.				:50-----	.06	.0417	.0152
:22-----	.32	.242	.0667	June 29-				9:05-----	0	0	0	8:00-----	.04	.0318	.0213
:23-----	.27	.205	.0705	July 22	0	0	0	:37-----	T	.0030	.0008	:20-----	.03	.0227	.0236
:24-----	.22	.169	.0737	July 23 <sup>5</sup>				:40-----	.01	.0076	.0011	:05-----	.01	.0076	.0273
:25-----	.18	.136	.0763	p. m.				:45-----	T	.0030	.0015	:30-----	T	.0030	.0282
:26-----	.14	.105	.0784	7:34-----	0	0	0	:50-----	0	0	.0016	9:00-----	T	.0030	.0297
:27-----	.12	.0910	.0801	:37-----	T	.0030	.0001	10:00-----	T	.0030	.0018	10:45-----	.01	.0076	.0320
:28-----	.10	.0773	.0815	:39-----	.01	.0076	.0003	:02-----	.01	.0076	.0020	:46-----	.02	.0144	.0321
:29-----	.09	.0652	.0827	:40-----	.02	.0144	.0005	:06-----	.01	.0076	.0025	:47-----	.03	.0227	.0323
:30-----	.10	.0773	.0839	:41-----	.01	.0076	.0007	:08-----	.03	.0227	.0030	:50-----	.03	.0227	.0332
:32-----	.12	.0910	.0867	:42-----	.04	.0318	.0010	:09-----	.06	.0417	.0035	11:00-----	.03	.0227	.0370
:35-----	.12	.0910	.0913	:43-----	.01	.0076	.0013	:11-----	.09	.0652	.0053	:05-----	.03	.0227	.0389
:38-----	.10	.0773	.0955	:45-----	.04	.0318	.0020	:12-----	.12	.0910	.0066	:25-----	.01	.0076	.0439
:40-----	.07	.0531	.0977	:46-----	.07	.0531	.0027	:13-----	.16	.121	.0084	12:00-----	T	.0030	.0470
:45-----	.03	.0227	.1008	:47-----	.10	.0773	.0038	:14-----	.20	.152	.0107	p. m.			
:48-----	.01	.0076	.1016	:48-----	.12	.0910	.0052	:15-----	.35	.262	.0141	12:30-----	0	0	.0478
:50-----	T	.0030	.1018	:49-----	.12	.0910	.0067	:16-----	.46	.349	.0193	Aug. 31-Dec.			
:53-----	0	0	.1019	:51-----	.10	.0773	.0095	:17-----	.51	.387	.0256	31-----	0	0	0

<sup>4</sup> Total rainfall for storm of June 28, 1.02 inches. No soil loss in run-off water. Grass 12 inches, weeds 10 inches, briars 5 inches. Soil moist and soft.

<sup>5</sup> Total rainfall for storm of July 23, 1.59 inches. No soil loss in run-off water. Grass 24 inches, weeds 18 inches, briars 6 inches. Soil dry and soft.

<sup>6</sup> Total rainfall for storm of Aug. 14, 0.39 inch. No soil loss in run-off water. Grass 14 inches, weeds 12 inches, briars 6 inches. Soil dry and loose.

<sup>7</sup> Total rainfall for storm of Aug. 27, 2.26 inches (gage at meteorological station). Total soil loss in run-off water 0.003 ton per acre. Grass 14 inches, weeds 20 inches, briars 6 inches. Soil dry and loose.

<sup>8</sup> Total rainfall for storm of Aug. 29-30, 1.03 inches. No soil loss in run-off water. Grass 14 inches, weeds 20 inches, briars 5 inches. Soil dry and loose.

TABLE 28.—Run-off from watershed 107, 1940

LOCATION: Latitude 40°21'13'', longitude 81°47'13''.

#### PHYSICAL CHARACTERISTICS:

Drainage area.—2.59 acres.

Length of principal watercourse.—650 feet.

Topography.—Drainage area is steepest in the central third with considerable reduction in slope in upper and lower parts. One small gully extends almost to top of area on extreme side. There are also some short and small gullies at lower end. Aspect is to the south.

Slope.—Average slope is 15.3 percent. 78 percent of the watershed has a slope of 10 to 20 percent and 22 percent has a slope of 20 percent or more.

Erosion condition.—Sheet erosion has removed 50 to 75 percent of the topsoil. There is no severe gully erosion.

Soil.—Muskingum silt loam is the predominant soil.

Special features.—A seep horizon of rather high yield is intercepted by this watershed.

#### LAND USE AND VEGETAL COVER:

Land use distribution.—Reforested with improved practices, 100 percent. Pine trees were planted in April 1939.

Vegetal cover and soil condition.—Litter during the growing season was composed of grass and weed residue averaging 1,700 pounds to the acre. Cover and soils were as follows:

January 11, soil moist and soft; grass 3 inches, weeds 3 inches, and trees 8 inches high.

January 25, soil moist and hard; grass 3 inches, weeds 3 inches and, trees 8 inches high; frost penetration 2 inches.

February 8, soil dry and hard, grass 3 inches, weeds 3 inches, and trees 8 inches high; frost penetration 3 inches.

February 23, soil moist and firm, grass 3 inches, weeds 3 inches, and trees 8 inches high; frost penetration 1 inch.

March 6, soil soggy and soft; grass 3 inches, weeds 3 inches, and trees 8 inches high.



TABLE 28.—Run-off from watershed 107, 1940—Continued

March 21, soil fairly wet and soft; grass 3 inches, weeds 3 inches, and trees 8 inches high.  
 April 5, soil moist and soft; grass 4 inches, weeds 3 inches, and trees 8 inches high.  
 April 24, soil moist and soft; grass 5 inches, weeds 3 inches, and trees 8 inches high.  
 May 8, soil fairly wet and soft; grass 5 inches, weeds 3 inches, and trees 8 inches high.  
 May 22, soil dry and soft; grass 6 inches, weeds 4 inches, and trees 9 inches high.  
 June 5, soil dry and soft; grass 12 inches, weeds 6 inches, and trees 11 inches high.  
 June 17, soil moist and soft; grass 16 inches, weeds 9 inches, and trees 12 inches high.  
 July 9, soil moist and soft; grass 20 inches, weeds 15 inches, and trees 13 inches high.  
 July 24, soil dry and soft; grass 23 inches, weeds 18 inches, and trees 14 inches high.  
 August 9, soil dry and loose; grass 24 inches, weeds 20 inches, and trees 14 inches high.  
 August 22, soil dry and loose; grass 24 inches, weeds 20 inches, and trees 14 inches high.  
 September 13, soil dry and loose; grass 20 inches, weeds 20 inches, and trees 14 inches high.  
 September 27, soil moist and soft, grass 20 inches, weeds 18 inches, trees 14 inches high.  
 October 10, soil dry and soft; grass 20 inches, weeds 16 inches, and trees 14 inches.

October 24, soil dry and soft; grass 16 inches, weeds 12 inches, and trees 14 inches high.  
 November 7, soil moist and soft; grass 12 inches, weeds 9 inches, and trees 14 inches high.  
 November 28, soil moist and soft; grass 8 inches, weeds 8 inches, and trees 14 inches high.  
 December 11, soil moist and soft; grass 6 inches, weeds 8 inches, and trees 14 inches high.

## MEASUREMENTS:

**Precipitation.**—Rainfall was measured at one recording rain gage, 113 (fig. 2). Snowfall was measured by the rain gage supplemented by a snow board. Snow inventory was obtained by surveys and observations to determine depth, distribution, and water equivalent.

**Run-off.**—Run-off was measured by an H flume of 2-foot depth. Run-off records are excellent. The laboratory rating was used.

**Soil loss.**—Records of soil loss in run-off water were obtained by silt box and Ramser automatic silt sampler placed at outlet of measuring flume.

**Changes in instrumentation during year.**—None.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, JULY 1938 TO DECEMBER 1940:

**Rainfall.**—Total precipitation 1940, 43.84 inches; average annual precipitation for period of record, 39.27 inches.

**Run-off.**—Annual run-off amount 1940, 5.78 inches; maximum rate of run-off for period of record, 0.528 inch per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Jan. 1-13	0	0	0	Jan. 14 <sup>1</sup>				Jan. 14 <sup>1</sup>				Feb. 9 <sup>2</sup>			
Jan. 14 <sup>1</sup>				a. m.				p. m.				p. m.			
6:18	0	0	0	8:50	0.14	0.0533	0.0648	1:00	0.01	0.0050	0.1726	7:00	0.01	0.0019	0.0004
:50	T	T		:54	.13	.0495	.0682	:20	.01	.0038	.1740	:05	.01	.0028	.0006
:57	T	T		9:00	.11	.0423	.0728	:45	.01	.0028	.1754	:13	.01	.0038	.0010
7:03	T	.0005		:05	.10	.0389	.0762	2:10	.01	.0019	.1764	:15	.02	.0064	.0012
:08	T	.0012	.0001	:15	.09	.0326	.0822	:20	.01	.0019	.1767	:17	.02	.0064	.0014
:13	T	.0019	.0002	:20	.08	.0297	.0874	:33	.01	.0028	.1772	:28	.01	.0050	.0024
:20	.01	.0028	.0005	:25	.07	.0269	.0898	:40	.01	.0038	.1776	:30	.01	.0038	.0025
:21	.01	.0038	.0006	:35	.06	.0242	.0941	:45	.01	.0050	.1780	:40	.01	.0028	.0031
:23	.02	.0064	.0008	:40	.06	.0217	.0960	:50	.02	.0064	.1785	8:00	.01	.0019	.0039
:25	.02	.0078	.0010	:45	.06	.0217	.0978	:55	.02	.0064	.1790	:20	T	.0012	.0044
:27	.03	.0112	.0013	:56	.07	.0269	.1022	3:05	.01	.0050	.1800	:35	T	.0005	.0046
:29	.04	.0150	.0017	10:00	.08	.0297	.1041	:25	.01	.0038	.1815	:50	T	T	.0047
:31	.03	.0130	.0022	:02	.09	.0326	.1051	:45	.01	.0028	.1829	9:00	T	.0005	.0048
:35	.04	.0150	.0031	:05	.10	.0389	.1069	4:10	.01	.0019	.1839	:10	T	.0012	.0049
:38	.04	.0171	.0039	:09	.11	.0423	.1096	:45	T	.0012	.1848	:20	.01	.0019	.0052
:41	.05	.0193	.0048	:15	.12	.0458	.1140	5:30	T	.0005	.1855	:30	.01	.0028	.0056
:43	.06	.0242	.0055	:20	.13	.0495	.1178	6:30	T	T	.1858	:45	.01	.0050	.0066
:45	.08	.0297	.0064	:30	.12	.0458	.1258	7:20	0	0	.1858	10:00	.01	.0038	.0077
:47	.08	.0326	.0074	:35	.11	.0423	.1298	Jan. 15	0	0	0	:15	.01	.0028	.0085
:50	.11	.0423	.0093	:43	.10	.0389	.1356	Jan. 16-17 <sup>2</sup>	(3)	(3)	.0134	:50	.01	.0019	.0098
:52	.12	.0458	.0108	:48	.09	.0326	.1450	Jan. 18-Feb. 5	0	0	0	11:30	T	.0012	.0108
:53	.13	.0495	.0116	:58	.08	.0297	.1486	Feb. 6 <sup>4</sup>	(3)	(3)	.0165	12:00	0	0	.0111
:56	.14	.0533	.0142	11:05	.07	.0269	.1533	Feb. 7-8	0	0	0				
8:00	.15	.0573	.0179	:25	.06	.0217	.1573	Feb. 9 <sup>5</sup>							
:03	.15	.0573	.0208	:30	.05	.0193	.1590	p. m.							
:08	.16	.0614	.0257	:35	.04	.0171	.1605	6:33	0	0	0	5:20	0	0	0
:13	.16	.0614	.0308	:40	.04	.0150	.1618	:45	T	.0005	.0001	:25	T	.0012	.0002
:18	.15	.0573	.0357	:50	.03	.0130	.1641	:52	T	.0012	.0002	:33	.01	.0019	.0004
:23	.14	.0533	.0403	12:00	.03	.0095	.1660					6:30	.01	.0019	.0022
:35	.14	.0533	.0510	p. m.								7:00	.01	.0028	.0034
:45	.15	.0573	.0602	12:15	.02	.0078	.1682					:15	.01	.0028	.0040
				:20	.02	.0064	.1688					:25	.01	.0050	.0047

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.79 inch. Total soil loss in run-off water 0.0034 ton per acre. Grass 3 inches, weeds 3 inches, trees 8 inches high. Soil moist and soft.

<sup>2</sup> Total rainfall for storm of Jan. 16 and 17, 0.10 inch. Total soil loss in run-off water 0.0002 ton per acre. Grass 3 inches, weeds 3 inches, trees 8 inches high. Soil moist and soft.

<sup>3</sup> No rate record; accumulated run-off computed from silt-box measurements.

<sup>4</sup> Total rainfall for storm of Feb. 6, 0.48 inch. Total soil loss in run-off water 0.0001 ton per acre. Grass 3 inches, weeds 3 inches, trees 8 inches high. Soil dry and hard, frost penetration 3 inches.

<sup>5</sup> Total rainfall for storm of Feb. 9, 0.18 inch; Feb. 10 and 11, 0.80 inch; Feb. 12 and 13, 0.12 inch; Feb. 18, 0.28 inch. Grass 3 inches, weeds 3 inches, trees 8 inches high. Soil moist, firm to soggy, soft. Melting snow and thawing soil contributed to run-off.



TABLE 28.—Run-off from watershed 107, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Feb. 10 <sup>5</sup>				Feb. 11 <sup>5</sup>				Feb. 13 <sup>5</sup>				Mar. 2 <sup>6</sup>			
a. m.				a. m.				a. m.				p. m.			
9:00-----	0.02	0.0078	0.0168	6:00-----	0.01	0.0019	0.2777	1:00-----	0.02	0.0095	0.2648	10:15-----	0.06	0.0217	0.0324
10:10-----	.02	.0064	.0251	:30-----	T	.0012	.2785	3:30-----	.02	.0095	.2886	:25-----	.05	.0193	.0358
:50-----	.01	.0050	.0289	7:00-----	T	.0005	.2789	:45-----	.02	.0078	.2908	:35-----	.04	.0171	.0388
11:20-----	.01	.0038	.0311	:30-----	T	T		10:30-----	.01	.0050	.3639	:40-----	.04	.0171	.0402
:50-----	.01	.0028	.0328	8:00-----	T	T	.2790	11:15-----	.01	.0028	.3669	:50-----	.05	.0193	.0432
p. m.				p. m.				12:00-----	T	.0012	.3684	:55-----	.06	.0242	.0450
2:30-----	.01	.0028	.0403	2:05-----	T	T	0	p. m.				11:00-----	.08	.0297	.0472
3:30-----	.01	.0019	.0426	:10-----	T	T		12:30-----	T	T	.3687	:05-----	.09	.0357	.0499
:45-----	.01	.0019	.0431	:15-----	T	.0012		:55-----	0	0	.3687	:11-----	.10	.0389	.0536
:55-----	.01	.0028	.0435	:20-----	.01	.0028	.0002	Feb. 14-17	0	0	0	:15-----	.11	.0423	.0563
:57-----	.01	.0038	.0436	:24-----	.01	.0038	.0004					:20-----	.12	.0458	.0600
:59-----	.02	.0064	.0438	:30-----	.02	.0064	.0009	Feb. 18 <sup>5</sup>				:22-----	.13	.0495	.0615
4:00-----	.02	.0078	.0439	:35-----	.02	.0095	.0016	a. m.				:25-----	.16	.0614	.0843
:01-----	.02	.0078	.0440	:40-----	.03	.0112	.0025	8:00-----	0	0	0	:27-----	.18	.0701	.0865
:03-----	.03	.0112	.0443	:44-----	.03	.0130	.0033	:20-----	T	.0005	.0001	:30-----	.21	.0796	.0902
:05-----	.03	.0130	.0447	:48-----	.04	.0150	.0042	:40-----	.01	.0019	.0005	:35-----	.23	.0896	.0972
:07-----	.04	.0150	.0452	:55-----	.04	.0171	.0061	:50-----	.02	.0038	.0017	:40-----	.25	.0959	.0849
:09-----	.04	.0171	.0457	3:00-----	.05	.0193	.0076	:55-----	.02	.0064	.0034	:50-----	.23	.0896	.1003
:12-----	.05	.0193	.0466	:10-----	.06	.0217	.0110	9:05-----	.01	.0038	.0017	:55-----	.22	.0846	.1075
:15-----	.06	.0242	.0477	:30-----	.06	.0242	.0186	:25-----	.02	.0064	.0034	12:00-----	.21	.0796	.1143
:18-----	.08	.0297	.0490	4:00-----	.06	.0242	.0307	:50-----	.02	.0095	.0074				
:20-----	.09	.0326	.0500	:15-----	.06	.0217	.0364	10:10-----	.03	.0130	.0111	Mar. 3 <sup>6</sup>			
:30-----	.09	.0357	.0558	:30-----	.05	.0193	.0415	:35-----	.04	.0171	.0174	a. m.			
:33-----	.09	.0357	.0576	:45-----	.04	.0171	.0460	:55-----	.06	.0217	.0239	12:05-----	.18	.0701	.1205
:36-----	.10	.0389	.0595	:55-----	.04	.0150	.0487	11:15-----	.07	.0269	.0320	:10-----	.17	.0657	.1262
:39-----	.10	.0423	.0615	5:05-----	.03	.0130	.0510	:30-----	.08	.0297	.0391	:14-----	.16	.0614	.1304
:43-----	.13	.0495	.0646	:10-----	.03	.0112	.0530	:38-----	.09	.0326	.0432	:18-----	.17	.0657	.1347
:45-----	.14	.0533	.0663	:18-----	.02	.0095	.0544	:45-----	.09	.0357	.0472	:25-----	.18	.0701	.1426
:50-----	.14	.0533	.0707	:25-----	.02	.0078	.0554	12:00-----	.10	.0389	.0565	:31-----	.21	.0796	.1501
:55-----	.13	.0495	.0750	:55-----	.02	.0078	.0593					:37-----	.22	.0846	.1583
:57-----	.12	.0458	.0766	6:10-----	.02	.0095	.0615	p. m.				:42-----	.23	.0896	.1655
5:01-----	.11	.0423	.0795	:40-----	.03	.0112	.0667	12:15-----	.11	.0423	.0667	:50-----	.25	.0950	.1782
:15-----	.11	.0423	.0894	12:00-----	.03	.0112	.1264	:25-----	.12	.0458	.0740	1:00-----	.25	.0950	.1941
:20-----	.12	.0458	.0931	Feb. 12 <sup>5</sup>				:35-----	.12	.0458	.0816	:10-----	.23	.0896	.2095
:25-----	.13	.0495	.0971	12:30-----	.03	.0130	.1571	1:05-----	.13	.0495	.1054	:15-----	.22	.0846	.2167
:33-----	.13	.0495	.1037	a. m.				:50-----	.13	.0495	.1425	:20-----	.21	.0796	.2235
:37-----	.12	.0458	.1069	1:30-----	.04	.0150	.1711	2:00-----	.12	.0458	.1504	:25-----	.20	.0747	.2298
:43-----	.11	.0423	.1113	2:00-----	.04	.0150	.1786	:35-----	.11	.0423	.1761	:30-----	.20	.0747	.2360
:47-----	.11	.0423	.1141	:25-----	.03	.0130	.1844	3:00-----	.10	.0389	.1930	:37-----	.18	.0701	.2445
:50-----	.12	.0458	.1163	:40-----	.03	.0112	.1874	:25-----	.09	.0357	.2086	:43-----	.17	.0657	.2513
:53-----	.13	.0495	.1187	:50-----	.02	.0095	.1891	4:00-----	.09	.0326	.2285	:55-----	.16	.0614	.2640
:55-----	.14	.0533	.1204	3:00-----	.02	.0078	.1905	:30-----	.08	.0297	.2441	2:00-----	.15	.0573	.2689
6:00-----	.14	.0533	.1248	:10-----	.01	.0050	.1916	5:00-----	.07	.0269	.2583	:05-----	.14	.0533	.2734
:07-----	.13	.0495	.1308	:17-----	.01	.0028	.1921	:20-----	.06	.0242	.2668	:08-----	.13	.0495	.2760
:10-----	.13	.0495	.1333	:25-----	T	.0012	.1924	:40-----	.06	.0217	.2745	:13-----	.12	.0458	.2801
:18-----	.14	.0533	.1401	:27-----	T	.0005		6:00-----	.05	.0193	.2813	:17-----	.11	.0423	.2831
:22-----	.15	.0573	.1437	:30-----	T	T		:30-----	.05	.0171	.2904	:22-----	.10	.0389	.2865
:25-----	.16	.0614	.1467	:40-----	0	0	.1924	7:00-----	.04	.0150	.2985	:30-----	.09	.0326	.2912
:30-----	.15	.0573	.1516	10:00-----	0	0	0	:30-----	.03	.0130	.3055	:35-----	.07	.0269	.2937
:35-----	.14	.0533	.1562	:15-----	T	.0012	.0002	8:10-----	.03	.0112	.3136	:48-----	.06	.0217	.2990
:40-----	.14	.0533	.1606	:30-----	.01	.0028	.0007	:40-----	.02	.0078	.3183	:55-----	.05	.0193	.3014
:50-----	.13	.0495	.1692	:45-----	.01	.0038	.0015	9:10-----	.02	.0064	.3218	3:00-----	.04	.0171	.3029
:55-----	.12	.0485	.1733	11:00-----	.02	.0064	.0028	:35-----	.01	.0050	.3244	:15-----	.03	.0130	.3067
7:00-----	.11	.0423	.1771	:07-----	.02	.0064	.0035	10:00-----	.01	.0038	.3262	:30-----	.02	.0095	.3095
:08-----	.11	.0423	.1827	:15-----	.02	.0078	.0042	:45-----	.01	.0019	.3284	:45-----	.02	.0064	.3115
:17-----	.09	.0357	.1886	:20-----	.02	.0095	.0051	11:00-----	T	.0012	.3288	4:00-----	.01	.0038	.3128
:25-----	.08	.0297	.1929	:30-----	.03	.0112	.0056	:25-----	T	.0005	.3291	:20-----	.01	.0019	.3137
:35-----	.07	.0269	.1976	:40-----	.04	.0150	.0071	:35-----	0	0	.3292	:45-----	T	.0005	.3142
:40-----	.06	.0242	.1997	:50-----	.04	.0171	.0084	:50-----	0	0	.3292	5:00-----	T	T	.3143
:50-----	.06	.0217	.2031	8:10-----	.05	.0193	.0099	Feb. 19				:30-----	0	0	.3143
:57-----	.05	.0193	.2055	:40-----	.06	.0242	.0135	Mar. 1	0	0	0				
8:10-----	.04	.0171	.2094	p. m.				Mar. 2 <sup>6</sup>				p. m.			
:30-----	.04	.0171	.2151	12:05-----	.08	.0297	.0202	8:55-----	0	0	0	:05-----	.01	.0019	0
:40-----	.04	.0150	.2178	:15-----	.08	.0297	.0252	9:00-----	T	.0005	.0001	:06-----	.01	.0038	.0001
:47-----	.04	.0171	.2197	:35-----	.07	.0269	.0346	:05-----	.01	.0019	.0004	:07-----	.02	.0064	.0004
:50-----	.05	.0193	.2288	:39-----	.06	.0242	.0363	:10-----	.01	.0050	.0010	:08-----	.02	.0095	.0002
9:00-----	.05	.0193	.2320	:45-----	.05	.0193	.0385	:15-----	.02	.0095	.0010	:09-----	.03	.0130	.0004
:07-----	.04	.0171	.2341	:48-----	.04	.0171	.0394	:20-----	.03	.0130	.0016	:10-----	.05	.0193	.0007
:12-----	.04	.0150	.2354	:50-----	.05	.0193	.0430	:25-----	.04	.0171	.0024	:11-----	.06	.0217	.0010
:22-----	.03	.0130	.2377	1:00-----	.06	.0217	.0440	:30-----	.06	.0242	.0038	:12-----	.08	.0297	.0014
:30-----	.03	.0112	.2393	:07-----	.06	.0217	.0455	:32-----	.07	.0269	.0046	:13-----	.10	.0389	.0020
:40-----	.02	.0095	.2410	:12-----	.06	.0242	.0474	:40-----	.09	.0357	.0062	:14-----	.12	.0458	.0027
:50-----	.02	.0078	.2424	:45-----	.06	.0217	.1080	:45-----	.11	.0423	.0075	:15-----	.13	.0495	.0035
10:30-----	.02	.0064	.2471	4:30-----	.05	.0217	.1243	:50-----	.12	.0458	.0097	:16-----	.15	.0573	.0044
11:00-----	.01	.0050	.2500	6:00-----	.05	.0217	.1569	:35-----	.12	.0458	.0097	:17-----	.16	.0614	.0054
12:00-----	.01	.0038	.2544	7:15-----	.04	.0171	.1812	:40-----	.11	.0423	.0135	:18-----	.15	.0573	.0064
Feb. 11 <sup>5</sup>				8:00-----	.04	.0171	.1940	:45-----	.11	.0423	.0172	:19-----	.16	.0614	.0074
a. m.				9:30-----	.04	.0150	.2182	:50-----	.10	.0389	.0206	:20-----	.18	.0701	.0085
1:00-----	.01	.0028	.2577	11:30-----	.04	.0150	.2482	:55-----	.09	.0326	.0236	:21-----	.15	.0573	.0096
:30-----	.01	.0038	.2594	:43-----	.03	.0130	.2512	10:00-----	.08	.0297	.0262	:22-----	.14	.0533	.0105
:50-----	.01	.0050	.2616	:53-----	.03	.0112	.2532	:03-----	.07	.0269	.0276	:25-----	.13	.0495	.0131
2:00-----	.01	.0050	.2691	12:00-----	.03	.0112	.2545	:08-----	.06	.0242	.0297	:28-----	.12	.0458	.0155
3:30-----	.01	.0038	.2735									:31-----	.11	.0423	.0177
4:30-----	.01	.0038	.2735									:35-----	.10	.0389	.0204
5:20-----	.01	.0028	.2752									:40-----	.09	.0357	.0235

<sup>5</sup> Total rainfall for storm of Feb. 9, 0.18 inch; Feb. 10 and 11, 0.80 inch; Feb. 12 and 13, 0.12 inch; Feb. 18, 0.28 inch. Grass 3 inches, weeds 3 inches, trees 8 inches high. Soil moist, firm to soggy, soft. Melting snow and thawing soil contributed to run-off.

<sup>6</sup> Total rainfall for storm of Mar. 2, 3, and 4, 1.56 inches. Total soil loss in run-off water for the period Feb. 9 to Mar. 4, 0.0113 ton per acre. Grass 3 inches, weeds 3 inches, trees 8 inches high. Soil moist, firm to soggy, soft. Melting snow and thawing soil contributed to run-off.



TABLE 28.—Run-off from watershed 107, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour	
Mar. 3 <sup>6</sup>				Mar. 17 <sup>7</sup>				Mar. 30 <sup>8</sup>				Apr. 11 <sup>10</sup>			
p. m.				p. m.				p. m.				p. m.			
5:45	0.09	0.0326	0.0263	4:22	0.01	0.0038	0.0047	7:20	T	0.0005	0.0986	11:00	0.09	0.0326	0.2805
5:55	0.07	0.0269	0.0313	4:35	0.01	0.0019	0.0053	7:45	T	T	0.0987	11:10	0.07	0.0269	0.2855
6:05	0.06	0.0242	0.0355	5:00	T	0.0005	0.0056	8:15	0	0	0.0987	11:20	0.06	0.0242	0.2876
10	0.06	0.0242	0.0375	5:00	T	T	T					11:23	0.06	0.0217	0.2907
13	0.07	0.0269	0.0388	5:05	0.01	0.0019	0.0057				0	11:33	0.05	0.0193	0.2941
17	0.07	0.0269	0.0406	5:10	0.01	0.0050	0.0060	Mar. 31-	0	0	0	11:40	0.04	0.0171	0.2962
25	0.08	0.0297	0.0444	5:15	0.02	0.0095	0.0066	Apr. 2	(3)	(3)	0.0034	11:50	0.04	0.0150	0.2989
35	0.08	0.0297	0.0494	5:20	0.03	0.0112	0.0075	Apr. 3 <sup>9-4</sup>				12:00	0.03	0.0130	0.3001
45	0.07	0.0269	0.0541	5:25	0.03	0.0112	0.0084	Apr. 5-10	0	0	0				0.3012
50	0.07	0.0269	0.0563	5:32	0.02	0.0095	0.0094								
7:00	0.08	0.0297	0.0610	5:40	0.02	0.0078	0.0107								
10	0.09	0.0326	0.0662	5:50	0.02	0.0064	0.0119	Apr. 11 <sup>10</sup>							
35	0.09	0.0326	0.0798	6:00	0.01	0.0038	0.0127	p. m.							
45	0.07	0.0269	0.0848	6:20	0.01	0.0019	0.0136	3:02	0	0	0				
53	0.06	0.0242	0.0882	6:30	T	0.0012	0.0139	3:07	T	0.0005	0.0001	12:10	0.03	0.0112	0.3032
8:00	0.06	0.0217	0.0909	6:40	T	0.0005	0.0140	3:10	T	0.0012	0.0003	12:20	0.02	0.0095	0.3049
10	0.04	0.0171	0.0941	6:55	T	T	0.0141	3:16	0.01	0.0028	0.0003	12:40	0.02	0.0078	0.3077
20	0.03	0.0130	0.0966	7:15	0	0	0.0141	3:20	0.01	0.0038	0.0005	12:55	0.02	0.0064	0.3095
40	0.02	0.0095	0.1003					3:25	0.02	0.0064	0.0009	1:00	0.02	0.0064	0.3100
55	0.02	0.0064	0.1023	Mar. 18 <sup>7</sup>				3:28	0.02	0.0078	0.0013	1:10	0.01	0.0050	0.3114
9:10	0.01	0.0038	0.1036	p. m.				3:31	0.02	0.0095	0.0017	1:40	0.01	0.0038	0.3132
20	0.01	0.0028	0.1042	6:21	0	0	0	3:35	0.03	0.0112	0.0024	1:55	0.01	0.0028	0.3140
30	0.01	0.0019	0.1046	6:21	0	0	0	3:40	0.03	0.0130	0.0034	2:20	0.01	0.0019	0.3150
38	T	0.0012	0.1048	6:22	0.01	0.0028	0.0001	3:43	0.03	0.0130	0.0041	2:45	T	0.0012	0.3156
40	0.01	0.0038	0.1049	6:23	0.02	0.0078	0.0001	3:50	0.04	0.0150	0.0057	3:15	T	0.0005	0.3160
42	0.02	0.0078	0.1051	6:24	0.03	0.0112	0.0003	4:00	0.03	0.0130	0.0080	3:55	T	T	0.3161
43	0.02	0.0095	0.1052	6:25	0.04	0.0171	0.0005	4:05	0.03	0.0112	0.0110		0		
45	0.03	0.0130	0.1056	6:27	0.06	0.0217	0.0011	4:25	0.02	0.0095	0.0127				
47	0.04	0.0150	0.1061	6:30	0.06	0.0242	0.0022	4:30	0.02	0.0078	0.0149	p. m.			
50	0.04	0.0171	0.1069	6:35	0.07	0.0269	0.0043	4:55	0.02	0.0064	0.0167	1:46	0	0	0.3161
53	0.05	0.0193	0.1078	6:43	0.06	0.0242	0.0077	5:07	0.01	0.0050	0.0178	1:50	T	0.0005	
10:00	0.06	0.0217	0.1102	6:45	0.06	0.0217	0.0096	5:12	0.01	0.0050	0.0182	4:30	T	0.0005	0.3173
15	0.06	0.0242	0.1160	6:50	0.05	0.0193	0.0103	5:20	0.02	0.0064	0.0190	5:15	T	T	0.3175
25	0.07	0.0269	0.1202	6:55	0.04	0.0150	0.0117	5:25	0.02	0.0078	0.0196	6:00	T	T	
30	0.07	0.0269	0.1224	7:00	0.03	0.0112	0.0128	5:32	0.03	0.0095	0.0206	3:30	0	0	0.3175
37	0.06	0.0242	0.1254	7:05	0.02	0.0095	0.0137	5:40	0.03	0.0112	0.0220				
43	0.06	0.0217	0.1277	7:10	0.02	0.0064	0.0144	5:45	0.03	0.0112	0.0229	Apr. 13 <sup>10</sup>			
50	0.05	0.0193	0.1301	7:15	0.01	0.0050	0.0149	6:00	0.02	0.0095	0.0255	p. m.			
11:00	0.04	0.0171	0.1331	7:25	0.01	0.0038	0.0153	6:15	0.02	0.0095	0.0279	12:55	0	0	0
10	0.04	0.0150	0.1358	7:40	0.01	0.0028	0.0161	6:40	0.03	0.0112	0.0322	1:00	T	T	
20	0.03	0.0130	0.1381	7:55	0.01	0.0019	0.0167	6:50	0.03	0.0130	0.0342	1:05	T	0.0005	
35	0.02	0.0095	0.1409	8:20	T	0.0005	0.0172	7:00	0.04	0.0171	0.0367	2:35	T	0.0005	0.0003
55	0.02	0.0064	0.1436	8:45	T	T	0.0173	7:04	0.05	0.0193	0.0379	3:20	T	T	0.0006
Mar. 4 <sup>6</sup>				9:15	0	0	0.0173	7:08	0.06	0.0217	0.0393	3:55	0	0	0.0006
a. m.				Mar. 19-29	0	0	0	7:13	0.06	0.0242	0.0412				
12:05	0.01	0.0050	0.1446	Mar. 30 <sup>8</sup>				7:15	0.07	0.0269	0.0420	Apr. 14	0	0	0
15	0.01	0.0038	0.1453	p. m.				7:18	0.08	0.0297	0.0434	Apr. 15 <sup>10</sup>			
30	0.01	0.0028	0.1461	12:37	0	0	0	7:20	0.09	0.0357	0.0445	a. m.			
50	0.01	0.0019	0.1469	12:40	T	0.0005	0.0001	7:23	0.11	0.0423	0.0465	8:55	0	0	0
55	0.01	0.0019	0.1471	12:45	0.01	0.0019	0.0001	7:24	0.12	0.0458	0.0472	9:05	T	T	
57	0.01	0.0038	0.1472	12:48	0.01	0.0028	0.0002	7:26	0.13	0.0495	0.0488	1:00	T	0.0005	
58	0.02	0.0064	0.1473	12:52	0.01	0.0038	0.0004	7:30	0.14	0.0533	0.0522	1:10	T	0.0012	0.0001
1:00	0.02	0.0095	0.1476	1:00	0.01	0.0050	0.0010	7:35	0.15	0.0573	0.0566	2:20	0.01	0.0019	0.0005
02	0.03	0.0112	0.1479	1:10	0.02	0.0064	0.0020	7:40	0.16	0.0614	0.0612	3:35	0.01	0.0028	0.0009
05	0.03	0.0130	0.1485	1:15	0.02	0.0064	0.0025	7:45	0.17	0.0657	0.0661	4:40	0.01	0.0038	0.0017
25	0.03	0.0130	0.1528	1:22	0.02	0.0078	0.0033	7:50	0.18	0.0701	0.0697	5:40	0.01	0.0038	0.0042
35	0.03	0.0112	0.1548	1:25	0.02	0.0095	0.0037	7:55	0.18	0.0701	0.0701	6:50	0.01	0.0050	0.0049
45	0.02	0.0095	0.1565	1:27	0.03	0.0130	0.0041	8:00	0.17	0.0657	0.0701	11:10	0.01	0.0038	0.0064
2:00	0.02	0.0064	0.1585	1:28	0.04	0.0171	0.0044	8:04	0.16	0.0614	0.0701	1:40	0.01	0.0028	0.0081
13	0.01	0.0050	0.1597	1:30	0.05	0.0193	0.0050	8:12	0.15	0.0573	0.0701				
25	0.01	0.0038	0.1606	1:50	0.06	0.0217	0.0118	8:15	0.15	0.0573	0.0701	p. m.			
35	0.01	0.0028	0.1612	2:15	0.06	0.0217	0.0208	8:17	0.16	0.0614	0.0701	12:20	0.01	0.0019	0.0097
45	0.01	0.0019	0.1616	2:35	0.05	0.0193	0.0276	8:20	0.17	0.0657	0.0701	1:15	T	0.0012	0.0111
3:00	T	0.0012	0.1620	2:45	0.05	0.0193	0.0308	8:24	0.18	0.0701	0.0701	2:00	T	0.0005	0.0118
15	T	0.0005	0.1622	3:00	0.06	0.0217	0.0359	8:27	0.20	0.0747	0.0701	2:20	T	0.0005	0.0120
30	T	T	0.1623	3:20	0.06	0.0242	0.0435	8:30	0.21	0.0796	0.0701	3:40	T	0.0012	0.0123
55	0	0	0.1623	3:40	0.07	0.0269	0.0520	8:35	0.21	0.0796	0.0701	4:50	0.01	0.0019	0.0126
Mar. 5-16	0	0	0	4:05	0.07	0.0269	0.0632	8:40	0.20	0.0747	0.0701	5:45	T	0.0005	0.0136
Mar. 17 <sup>7</sup>				4:25	0.06	0.0242	0.0717	8:45	0.18	0.0701	0.0701	6:30	T	0.0012	0.0153
p. m.				4:35	0.06	0.0217	0.0755	8:50	0.18	0.0701	0.0701	7:45	T	0.0005	0.0164
3:42	0	0	0	5:00	0.05	0.0193	0.0806	8:55	0.20	0.0747	0.0701	8:55	T	0.0005	0.0195
44	T	0.0012	0.0001	5:10	0.04	0.0171	0.0867	9:00	0.21	0.0796	0.0701	12:00	T	0.0005	
46	0.01	0.0028	0.0001	5:20	0.04	0.0150	0.0894	9:04	0.22	0.0846	0.0701				
48	0.02	0.0064	0.0003	5:25	0.03	0.0130	0.0906	9:05	0.23	0.0896	0.0701	Apr. 16 <sup>10</sup>			
49	0.02	0.0078	0.0004	5:30	0.03	0.0112	0.0916	9:10	0.23	0.0896	0.0701	a. m.			
50	0.02	0.0095	0.0005	5:35	0.02	0.0095	0.0925	9:15	0.22	0.0846	0.0701	1:00	T	0.0005	0.0200
51	0.03	0.0112	0.0007	5:40	0.02	0.0078	0.0932	9:18	0.21	0.0796	0.0701	2:00	T	T	0.0202
55	0.03	0.0112	0.0015	5:50	0.02	0.0064	0.0944	9:25	0.18	0.0701	0.0701	3:30	T	0.0005	0.0203
4:00	0.02	0.0095	0.0024	5:55	0.01	0.005									



TABLE 28.—Run-off from watershed 107, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Apr. 17 <sup>10</sup>	Second-foot	Inches per hour	Inches	Apr. 19 <sup>10</sup>	Second-foot	Inches per hour	Inches	Apr. 20 <sup>10</sup>	Second-foot	Inches per hour	Inches	May 24 <sup>12</sup>	Second-foot	Inches per hour	Inches
p. m.				p. m.				a. m.				a. m.			
1:55-----	0	0	0	8:39-----	0.09	0.0326	0.2206	11:55-----	0.34	0.130	0.9065	5:22-----	0.01	0.0019	0.0066
2:20-----	T	T		:43-----	0.08	0.0297	0.2227	12:00-----	.29	.112	.9166	:26-----	.01	.0028	.0068
:45-----	T	.0005	.0001	:49-----	.07	.0269	.2255					:29-----	.01	.0038	.0070
3:30-----	T	.0005	.0005	:55-----	.06	.0242	.2281	p. m.				:32-----	.01	.0050	.0072
4:00-----	T	.0012	.0009	9:03-----	.06	.0217	.2311	12:05-----	.25	.0950	.9251	:36-----	.02	.0064	.0076
:18-----	.01	.0019	.0014	:20-----	.04	.0171	.2366	:10-----	.22	.0846	.9327	:41-----	.02	.0078	.0082
:38-----	.01	.0019	.0020	:30-----	.04	.0150	.2393	:14-----	.20	.0747	.9380	:45-----	.02	.0095	.0088
5:15-----	T	.0012	.0029	:40-----	.04	.0150	.2418	:20-----	.17	.0657	.9450	:50-----	.03	.0112	.0097
6:00-----	T	.0005	.0035	:49-----	.04	.0171	.2442	:25-----	.15	.0573	.9501	:55-----	.03	.0130	.0107
:50-----	T	.0005	.0039	10:00-----	.05	.0193	.2475	:30-----	.13	.0495	.9545	6:00-----	.03	.0130	.0118
8:20-----	T	.0042	.0042	:30-----	.05	.0193	.2572	:35-----	.12	.0458	.9584	:05-----	.03	.0112	.0128
10:00-----	0	0	.0042	:50-----	.04	.0171	.2633	:45-----	.09	.0357	.9652	:11-----	.02	.0095	.0138
Apr. 18-----	0	0	0	11:00-----	.04	.0171	.2662	:50-----	.09	.0326	.9680	:23-----	.02	.0064	.0154
Apr. 19 <sup>10</sup>				:30-----	.04	.0150	.2743	1:00-----	.07	.0269	.9730	:38-----	.01	.0038	.0167
a. m.				12:00-----	.04	.0150	.2818	:10-----	.06	.0217	.9771	:48-----	.01	.0028	.0173
11:55-----	0	0	0					:20-----	.05	.0193	.9805	7:00-----	.01	.0019	.0178
12:00-----	T	.0005	0	Apr. 20 <sup>10</sup>				:27-----	.04	.0171	.9826	:15-----	T	.0012	.0182
				a. m.				:40-----	.04	.0150	.9861	:45-----	T	.0005	.0186
p. m.				12:20-----	.03	.0130	.2865	:50-----	.03	.0130	.9884	:54-----	T	.0005	.0187
12:03-----	T	.0012	.0001	:40-----	.03	.0112	.2905	2:00-----	.03	.0112	.9904	:56-----	T	.0012	.0188
:10-----	.01	.0028	.0003	:55-----	.02	.0095	.2931	:20-----	.02	.0095	.9938	8:00-----	T	.0012	.0188
:15-----	.01	.0038	.0006	1:05-----	.02	.0095	.2947	:50-----	.02	.0078	.9982	:02-----	.01	.0019	.0189
:20-----	.01	.0050	.0010	:15-----	.03	.0112	.2964	3:20-----	.02	.0064	1.0018	:05-----	.01	.0028	.0190
:30-----	.02	.0064	.0020	:45-----	.03	.0112	.3020	:50-----	.01	.0050	1.0047	:08-----	.02	.0064	.0192
:45-----	.02	.0078	.0038	2:15-----	.02	.0095	.3072	4:30-----	.01	.0050	1.0080	:10-----	.02	.0078	.0194
1:05-----	.02	.0064	.0062	:30-----	.02	.0078	.3093	5:00-----	.01	.0038	1.0102	:15-----	.02	.0095	.0201
:35-----	.02	.0064	.0094	:45-----	.02	.0064	.3111	6:00-----	.01	.0028	1.0135	:20-----	.02	.0095	.0209
2:00-----	.01	.0050	.0118	3:25-----	.01	.0038	.3145	8:00-----	.01	.0028	1.0191	:30-----	.02	.0078	.0223
:20-----	.01	.0038	.0133	4:05-----	.01	.0050	.3174	:30-----	.01	.0038	1.0208	:35-----	.02	.0064	.0229
:55-----	.01	.0038	.0155	:40-----	.01	.0050	.3203	:50-----	.01	.0050	1.0223	:40-----	.01	.0050	.0234
3:15-----	.01	.0050	.0170	5:00-----	.02	.0064	.3222	9:15-----	.01	.0050	1.0244	:50-----	.01	.0038	.0241
:35-----	.01	.0038	.0185	:10-----	.02	.0095	.3235	:40-----	.01	.0038	1.0262	9:00-----	.01	.0028	.0246
4:20-----	.01	.0028	.0210	:15-----	.03	.0112	.3244	10:20-----	.01	.0028	1.0284	:10-----	.01	.0019	.0250
5:00-----	.01	.0019	.0226	:20-----	.03	.0130	.3254	11:00-----	.01	.0019	1.0300	:25-----	T	.0012	.0254
:10-----	.01	.0019	.0229	:28-----	.04	.0171	.3274	12:00-----	.01	.0019	1.0319	:45-----	T	.0005	.0260
:25-----	.01	.0028	.0235	:35-----	.05	.0193	.3295					10:25-----	T	T	.0261
:40-----	.01	.0038	.0243	:55-----	.06	.0217	.3363	Apr. 21 <sup>10</sup>				11:20-----	0	0	0
:55-----	.02	.0064	.0256	6:05-----	.06	.0242	.3401	a. m.				May 25-29	0	0	0
6:10-----	.02	.0078	.0274	:25-----	.07	.0269	.3486	12:45-----	T	.0012	1.0330	May 30 <sup>13</sup>			
:20-----	.02	.0095	.0288	:35-----	.08	.0297	.3533	1:30-----	T	.0005	1.0337	a. m.			
:26-----	.03	.0112	.0298	:50-----	.09	.0326	.3585	2:15-----	T	.0005	1.0339	1:11-----	0	0	0
:28-----	.03	.0130	.0302	7:00-----	.09	.0357	.3642	3:00-----	0	0	1.0339	:15-----	T	T	T
:31-----	.04	.0171	.0310	:05-----	.10	.0389	.3673	Apr. 22-----	0	0	0	:30-----	T	T	T
:33-----	.06	.0217	.0316	:10-----	.11	.0423	.3707	May 5-----	0	0	0	:34-----	T	.0005	.0012
:34-----	.07	.0269	.0320	:15-----	.11	.0423	.3742	May 6 <sup>11</sup>				:36-----	T	.0012	.0012
:35-----	.09	.0326	.0325	:30-----	.10	.0389	.3844	p. m.				:40-----	T	.0012	.0001
:36-----	.09	.0357	.0331	:33-----	.10	.0389	.3863	6:39-----	0	0	0	:50-----	.01	.0019	.0004
:38-----	.12	.0458	.0344	:45-----	.12	.0458	.3948	:45-----	.01	.0012	.0001	:53-----	.01	.0019	.0005
:40-----	.15	.0573	.0361	8:00-----	.13	.0495	.4067	:48-----	.01	.0038	.0002	:57-----	.01	.0028	.0007
:42-----	.18	.0701	.0382	:15-----	.14	.0533	.4196	:50-----	.02	.0078	.0004	2:00-----	.01	.0050	.0009
:44-----	.22	.0846	.0408	:20-----	.15	.0573	.4242	:51-----	.02	.0095	.0005	:04-----	.02	.0064	.0013
:46-----	.25	.0950	.0438	:25-----	.17	.0657	.4293	:55-----	.03	.0130	.0009	:05-----	.02	.0064	.0014
:48-----	.26	.100	.0470	:30-----	.20	.0747	.4351	:58-----	.03	.0112	.0013	:12-----	.01	.0050	.0021
:50-----	.29	.112	.0505	:35-----	.21	.0796	.4415	7:00-----	.02	.0095	.0022	:18-----	.01	.0038	.0025
:53-----	.32	.124	.0564	:40-----	.23	.0896	.4485	:03-----	.02	.0078	.0026	:25-----	.01	.0028	.0029
:55-----	.32	.124	.0605	:45-----	.25	.0950	.4562	:05-----	.02	.0064	.0028	:35-----	.01	.0019	.0033
:58-----	.36	.137	.0670	:50-----	.25	.0950	.4639	:10-----	.01	.0038	.0032	:45-----	T	.0012	.0035
7:00-----	.38	.144	.0716	9:15-----	.23	.0896	.5013	:20-----	.01	.0038	.0038	3:00-----	T	.0005	.0037
:02-----	.39	.151	.0765	:20-----	.22	.0846	.5085	:23-----	.01	.0050	.0040	:20-----	T	.0038	.0038
:04-----	.41	.157	.0816	:22-----	.22	.0846	.5133	:28-----	.01	.0050	.0044	4:00-----	0	0	0
:06-----	.43	.165	.0869	:24-----	.22	.0846	.5181	:35-----	.01	.0038	.0049	8:55-----	0	0	0
:08-----	.45	.172	.0925	:28-----	.23	.0896	.5297	:40-----	.01	.0038	.0052	9:00-----	T	T	T
:12-----	.45	.172	.1040	:30-----	.23	.0896	.5343	:45-----	.01	.0038	.0054	:10-----	.01	.0005	.0001
:14-----	.43	.165	.1096	:35-----	.25	.0950	.5575	:50-----	.01	.0050	.0057	:25-----	.01	.0012	.0003
:16-----	.41	.157	.1149	:40-----	.26	.100	.5733	8:00-----	T	.0005	.0058	:35-----	.01	.0019	.0006
:18-----	.39	.151	.1200	:45-----	.28	.106	.5819	:20-----	T	.0005	.0059	:45-----	.01	.0028	.0010
:20-----	.36	.137	.1247	:50-----	.32	.124	.5913	:40-----	0	0	0	10:00-----	.01	.0028	.0017
:22-----	.32	.124	.1290	11:00-----	.36	.137	.5956	May 7-23	0	0	0	:30-----	.01	.0038	.0031
:26-----	.29	.112	.1369	:03-----	.41	.157	.6079	May 24 <sup>12</sup>				:37-----	.01	.0050	.0039
:30-----	.26	.100	.1440	:08-----	.43	.165	.6131	a. m.				:45-----	.02	.0064	.0047
:32-----	.25	.0950	.1472	:12-----	.47	.180	.6239	3:06-----	0	0	0	:50-----	.02	.0078	.0065
:35-----	.26	.100	.1489	:15-----	.49	.187	.6297	:08-----	T	.0005	.0001	:10-----	.02	.0095	.0079
:45-----	.26	.100	.1657	:22-----	.55	.212	.6557	:10-----	.01	.0019	.0019	:20-----	.02	.0095	.0122
:51-----	.23	.0896	.1752	:28-----	.58	.221	.6766	:12-----	.01	.0038	.0002	:37-----	.02	.0078	.0144
:54-----	.22	.0846	.1796	:30-----	.58	.221	.6857	:14-----	.01	.0050	.0002	12:00-----	.02	.0095	.0155
:57-----	.21	.0796	.1837	:35-----	.55	.212	.7297					p. m.			
8:00-----	.20	.0747	.1876	:40-----	.53	.204	.7393	12:50-----	.02	.0064	.0005	12:50-----	.02	.0095	.0234
:04-----	.18	.0701	.1925	:45-----	.47	.180	.7546	1:00-----	.01	.0038	.0023	1:00-----	.02	.0078	.0248
:10-----	.16	.0614	.1991	:50-----	.41	.157	.7666	:12-----	.01	.0038	.0023	:20-----	.02	.0064	.0272
:15-----	.14	.0533	.2039	10:00-----	.41	.157	.7666	:14-----	.01	.0038	.0023	:30-----	.01	.0050	.0282
:19-----	.13	.0495	.2073	:03-----	.47	.180	.7998	:17-----	.01	.0038	.0023	:45-----	.01	.0038	.0296
:22-----	.12	.0458	.2097	:08-----	.47	.180	.8066	:22-----	.01	.0019	.0056	:50-----	.01	.0038	.0303
:30-----	.10	.0389	.2153	:12-----	.41	.157	.8289	:25-----	T	.0012	.0061	2:00-----	.01	.0050	
:34-----	.09	.0357	.2178	:15-----	.41	.157	.8442	:30-----	T	.0012	.0064				

<sup>10</sup> Total rainfall for storm of Apr. 11 and 12, 1.22 inches; Apr. 13, 0.04 inch; Apr. 15 and 16, 0.17 inch; Apr. 17, 0.13 inch; Apr. 19, 20 and 21, 1.85 inches. Total soil loss in run-off water for these storms 0.035 ton per acre. Grass 4½ inches, weeds 3 inches, trees 8 inches high. Soil moist and soft.

<sup>11</sup> Total rainfall for storm of May 6, 0.58 inch. Total soil loss in run-off water 0.0012 ton per acre. Grass 5 inches, weeds 3 inches, trees 8 inches high. Soil moist and soft.

<sup>12</sup> Total rainfall for storm of May 23 and 24, 1.61 inches. Total soil loss in run-off water 0.0002 ton per acre. Grass 6 inches, weeds 4 inches, trees 9 inches high. Soil dry and soft.

<sup>13</sup> Total rainfall for storm of May 29 and 30, 1.04 inches. Total soil loss in run-off water 0.0010 ton per acre. Grass 10 inches, weeds 5 inches, trees 10 inches high. Soil dry and soft.



TABLE 28.—Run-off from watershed 107, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
May 30 <sup>13</sup>				June 11 <sup>15</sup>				June 14-17				June 23 <sup>18</sup>			
p. m.				p. m.								p. m.			
2:35	0.01	0.0050	0.0332	1:46	0.06	0.0242	0.0021	7:48	0	0	0	10:57	0.01	0.0019	0.0352
3:00	0.02	0.0064	0.0356	1:47	0.09	0.0357	0.0026	8:00	T	0.0005	0	11:00	0.01	0.0019	0.0353
3:05	0.02	0.0064	0.0361	1:48	0.12	0.0458	0.0033	10:26	T	T	0.0001	11:00	T	0.0005	0.0362
3:20	0.01	0.0050	0.0376	1:49	0.14	0.0533	0.0041	11:00	T	T	0.0005	12:00	T	0.0005	0.0363
3:35	0.01	0.0038	0.0387	1:50	0.15	0.0573	0.0050	a. m.	0	0	0				
4:00	0.01	0.0028	0.0401	1:51	0.15	0.0573	0.0060	7:48	0	0	0	June 24-27	0	0	0
4:15	0.01	0.0019	0.0407	1:53	0.14	0.0533	0.0078	8:00	T	0.0005	0	June 28 <sup>19</sup>			
4:40	T	0.0012	0.0413	1:55	0.12	0.0458	0.0094	10:26	T	T	0.0001	a. m.			
5:00	T	0.0005	0.0416	1:57	0.10	0.0389	0.0108	11:00	T	0.0005	0.0002	7:43	0	0	0
6:15	T	0.0005	0.0417	2:00	0.09	0.0326	0.0126	11:00	T	0.0005	0.0003	7:44	T	0.0005	0.0001
7:00	T	T	0.0419	2:02	0.07	0.0269	0.0136	11:00	T	T	0.0003	7:45	0.01	0.0019	0.0002
8:00	0	0	0.0419	2:04	0.06	0.0242	0.0144	11:00	T	T	0.0003	7:45	0.01	0.0019	0.0003
				2:06	0.06	0.0217	0.0152	11:00	T	0.0005	0.0004	7:45	0.01	0.0019	0.0004
May 31- June 9	0	0	0	2:08	0.05	0.0193	0.0157	11:00	T	0.0005	0.0004	7:45	0.01	0.0019	0.0005
June 10 <sup>14</sup>				2:10	0.04	0.0171	0.0163	11:00	T	0.0005	0.0005	7:45	0.01	0.0019	0.0006
p. m.				2:12	0.04	0.0150	0.0168	11:00	T	0.0005	0.0007	7:45	0.01	0.0019	0.0007
1:17	0	0	0	2:15	0.03	0.0130	0.0175	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0008
1:19	T	T	0	2:20	0.02	0.0095	0.0184	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0009
2:19	T	0.0012	0.0001	2:25	0.02	0.0078	0.0191	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0010
2:21	T	0.0012	0.0002	2:30	0.02	0.0064	0.0197	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0011
2:22	T	0.0012	0.0003	2:35	0.01	0.0050	0.0202	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0012
2:23	0.01	0.0019	0.0004	2:45	0.01	0.0038	0.0209	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0013
2:25	0.01	0.0019	0.0005	2:53	0.01	0.0028	0.0213	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0014
2:30	0.01	0.0028	0.0006	3:00	0.01	0.0019	0.0216	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0015
2:31	0.01	0.0038	0.0007	2:20	T	0.0012	0.0221	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0016
2:32	0.02	0.0064	0.0008	2:40	T	0.0005	0.0224	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0017
2:33	0.02	0.0095	0.0009	4:00	T	T	0.0225	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0018
2:34	0.03	0.0130	0.0010	2:20	0	0	0.0225	11:00	T	0.0005	0.0008	7:45	0.01	0.0019	0.0019
2:35	0.04	0.0171	0.0012					12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0020
2:36	0.06	0.0217	0.0015	June 12 <sup>16</sup>				12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0021
2:37	0.07	0.0269	0.0019	p. m.				12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0022
2:38	0.09	0.0326	0.0024	12:14	0	0	0	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0023
2:39	0.10	0.0389	0.0030	12:18	T	T	0.0005	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0024
2:41	0.10	0.0389	0.0043	12:20	T	0.0005	0.0005	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0025
2:42	0.09	0.0357	0.0049	12:29	T	0.0005	0.0005	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0026
2:44	0.08	0.0297	0.0060	12:32	T	0.0012	0.0002	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0027
2:45	0.07	0.0269	0.0065	12:34	0.01	0.0019	0.0002	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0028
2:46	0.06	0.0242	0.0069	12:36	0.01	0.0028	0.0003	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0029
2:47	0.05	0.0193	0.0073	12:39	0.01	0.0038	0.0005	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0030
2:48	0.04	0.0171	0.0076	12:43	0.01	0.0050	0.0008	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0031
2:50	0.03	0.0130	0.0081	12:45	0.01	0.0050	0.0014	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0032
2:52	0.02	0.0095	0.0085	12:48	0.01	0.0050	0.0021	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0033
2:54	0.02	0.0078	0.0088	12:50	0.01	0.0050	0.0026	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0034
2:56	0.02	0.0064	0.0090	12:52	0.01	0.0050	0.0030	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0035
2:58	0.01	0.0048	0.0093	12:54	0.01	0.0050	0.0035	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0036
3:00	0.01	0.0038	0.0096	12:56	0.01	0.0050	0.0040	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0037
3:05	0.01	0.0019	0.0099	12:58	0.01	0.0050	0.0045	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0038
3:10	T	0.0012	0.0099	12:59	0.01	0.0050	0.0050	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0039
3:15	T	0.0005	0.0097	1:00	T	0.0005	0.0055	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0040
3:25	T	T	0.0097	1:02	T	0.0005	0.0060	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0041
3:40	0	0	0.0097	1:04	0	0	0.0065	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0042
				1:06	0	0	0.0070	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0043
2:50	0	0	0	1:08	0	0	0.0075	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0044
3:00	T	T	0	1:10	0.01	0.0085	0.0080	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0045
3:15	T	T	0	1:12	0.02	0.0095	0.0085	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0046
3:17	T	0.0005	0.0001	1:14	0.04	0.0171	0.0090	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0047
3:19	T	0.0012	0.0002	1:16	0.10	0.0389	0.0099	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0048
3:21	0.01	0.0019	0.0003	1:18	0.23	0.0896	0.0109	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0049
3:24	0.01	0.0038	0.0004	1:20	0.39	0.151	0.0119	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0050
3:27	0.01	0.0050	0.0005	1:22	0.47	0.180	0.0129	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0051
3:32	0.01	0.0050	0.0006	1:24	0.55	0.212	0.0139	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0052
3:40	0.01	0.0038	0.0007	1:26	0.55	0.212	0.0144	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0053
3:45	0.01	0.0028	0.0008	1:28	0.51	0.195	0.0149	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0054
3:53	0.01	0.0019	0.0009	1:30	0.36	0.137	0.0154	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0055
4:00	T	0.0012	0.0010	1:32	0.26	0.100	0.0159	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0056
4:15	T	0.0005	0.0011	1:34	0.18	0.0747	0.0164	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0057
3:30	T	T	0.0025	1:36	0.12	0.0458	0.0169	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0058
5:00	0	0	0.0025	1:38	0.09	0.0326	0.0174	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0059
				1:40	0.06	0.0217	0.0179	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0060
June 11 <sup>15</sup>				1:42	0.03	0.0130	0.0184	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0061
p. m.				1:44	0.02	0.0095	0.0189	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0062
1:24	0	0	0	1:46	0.02	0.0064	0.0194	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0063
1:27	T	0.0005	0.0001	1:48	0.01	0.0038	0.0199	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0064
3:33	T	0.0005	0.0002	1:50	0.01	0.0038	0.0204	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0065
3:35	T	0.0012	0.0003	1:52	0.01	0.0038	0.0209	12:10	0.01	0.0019	0.0030	7:45	0.01	0.0019	0.0066
3:36	0.01	0.0028	0.0004	1:5											



TABLE 28.—Run-off from watershed 107, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
June 30 <sup>20</sup>			July 24 <sup>21</sup>			Aug. 27 <sup>24</sup>			Aug. 29 <sup>25</sup>		
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>
10:56-----	0.02	0.0095	8:55-----	0.02	0.0064	9:45-----	0.06	0.0217	3:22-----	0	0
11:00-----	0.03	0.0112	9:00-----	0.01	0.0038	9:47-----	0.05	0.0193	3:30-----	T	T
11:03-----	0.03	0.0130	9:08-----	0.01	0.0019	9:50-----	0.04	0.0150	3:33-----	T	.0005
11:05-----	0.03	0.0130	9:23-----	T	.0005	9:52-----	0.03	0.0112	3:40-----	T	.0005
11:15-----	0.04	0.0171	9:40-----	T	T	9:55-----	0.02	0.0078	3:42-----	T	.0012
11:21-----	0.04	0.0171	10:30-----	0	0	9:57-----	0.02	0.0064	3:44-----	.01	.0019
11:25-----	0.07	0.0269				10:00-----	0.02	0.0064	3:47-----	.01	.0019
11:27-----	0.09	0.0326	July 25-----	0	0	10:02-----	0.02	0.0064	3:55-----	T	.0012
11:30-----	0.10	0.0389				10:03-----	0.02	0.0078	4:00-----	T	.0005
11:34-----	0.12	0.0458	July 26 <sup>22</sup>			10:05-----	0.03	0.0112	4:10-----	T	T
11:39-----	0.14	0.0533	<i>p. m.</i>			10:07-----	0.04	0.0150	4:28-----	0	0
11:48-----	0.14	0.0533	7:15-----	0	0	10:08-----	0.06	0.0242	4:30-----	0	T
12:00-----	0.12	0.0458	7:18-----	T	.0005	10:10-----	0.08	0.0297	4:44-----	0	0
July 1			7:20-----	T	.0012	10:13-----	0.12	0.0458	4:50-----	T	T
<i>a. m.</i>			7:25-----	T	.0005	10:15-----	0.17	0.0657	5:00-----	T	T
12:05-----	0.10	0.0389	7:27-----	T	.0005	10:17-----	0.20	0.0747	5:30-----	T	T
12:09-----	0.10	0.0389	7:57-----	T	.0005	10:18-----	0.20	0.0747	5:36-----	T	.0012
12:19-----	0.09	0.0326	8:00-----	T	.0012	10:21-----	0.17	0.0657	5:41-----	.01	.0028
12:34-----	0.06	0.0217	8:07-----	T	.0012	10:23-----	0.15	0.0573	5:45-----	.01	.0050
12:39-----	0.04	0.0171	8:10-----	.01	.0019	10:25-----	0.13	0.0495	6:00-----	.01	.0050
12:45-----	0.04	0.0171	8:20-----	.01	.0019	10:27-----	0.15	0.0573	6:08-----	.01	.0050
12:51-----	0.04	0.0171	8:30-----	.01	.0019	10:30-----	0.22	0.0846	6:20-----	.01	.0038
1:00-----	0.06	0.0217	8:35-----	.01	.0019	10:32-----	0.22	0.0846	6:30-----	.01	.0028
1:03-----	0.06	0.0217	8:40-----	.01	.0019	10:35-----	0.21	0.0796	6:39-----	.01	.0028
1:13-----	0.04	0.0171	8:55-----	T	.0005	10:40-----	0.25	0.0950	6:46-----	.01	.0050
1:25-----	0.03	0.0130	9:00-----	T	T	10:42-----	0.25	0.0950	6:49-----	.02	.0078
1:43-----	0.02	0.0095	9:15-----	T	T	10:45-----	0.17	0.0657	6:57-----	.02	.0095
2:00-----	0.02	0.0078	9:30-----	0	0	10:48-----	0.13	0.0495	7:00-----	.03	.0112
2:15-----	0.02	0.0078				10:50-----	0.09	0.0357	7:08-----	.03	.0112
2:25-----	0.02	0.0095	July 27-----			10:53-----	0.06	0.0242	7:17-----	.02	.0078
2:50-----	0.02	0.0064	Aug. 25-----	0	0	10:55-----	0.05	0.0193	7:29-----	.01	.0050
3:00-----	0.01	0.0050	Aug. 26 <sup>23</sup>			11:00-----	0.03	0.0112	7:45-----	.01	.0028
3:20-----	0.01	0.0038	<i>a. m.</i>			11:05-----	0.02	0.0078	8:00-----	.01	.0019
4:00-----	0.01	0.0019	12:08-----	0	0	11:13-----	0.01	0.0050	8:20-----	T	.0012
5:00-----	T	.0012	12:18-----	T	.0005	11:20-----	0.01	0.0028	8:37-----	T	.0005
6:00-----	T	.0005	12:22-----	.01	.0019	11:35-----	T	.0005	9:00-----	T	T
8:30-----	T	T	12:23-----	.01	.0019	12:00-----	T	.0005	9:53-----	0	0
10:15-----	0	0	12:24-----	.02	.0064				Aug. 30 <sup>25</sup>		
July 2-22-----	0	0	12:25-----	.02	.0095	12:15-----	T	.0587	<i>a. m.</i>		
July 23 <sup>21</sup>			12:27-----	.02	.0095	12:45-----	0	0	6:05-----	0	0
<i>p. m.</i>			12:29-----	.02	.0064				6:38-----	T	T
7:37-----	0	0	12:32-----	.01	.0038	6:40-----	0	0	6:41-----	.01	.0012
7:45-----	T	.0012	12:35-----	.01	.0019	7:00-----	T	T	6:43-----	.01	.0028
7:46-----	T	.0012	12:40-----	T	.0005	7:08-----	T	T	6:46-----	.01	.0050
7:48-----	.01	.0019	12:45-----	T	T	7:18-----	.01	.0012	6:49-----	.02	.0078
7:49-----	.01	.0038	12:57-----	0	0	7:23-----	.01	.0028	6:53-----	.02	.0095
7:50-----	.02	.0064	Aug. 27 <sup>24</sup>			7:30-----	.01	.0050	6:57-----	.04	.0150
7:51-----	.03	.0112	<i>a. m.</i>			7:35-----	.02	.0078	7:00-----	.06	.0217
7:52-----	.05	.0193	12:34-----	0	0	7:45-----	.01	.0050	7:03-----	.09	.0326
7:53-----	.09	.0326	12:36-----	T	.0005	8:00-----	.01	.0028	7:05-----	.11	.0423
7:54-----	.13	.0495	12:44-----	T	.0005	8:30-----	.01	.0019	7:10-----	.17	.0657
7:55-----	.16	.0614	12:48-----	.01	.0019	8:37-----	.01	.0028	7:15-----	.21	.0796
7:57-----	.18	.0701	12:53-----	.01	.0019	8:38-----	.02	.0078	7:22-----	.25	.0950
7:58-----	.15	.0573	12:55-----	.01	.0038	8:40-----	.03	.0130	7:24-----	.22	.0846
7:59-----	.12	.0458	12:57-----	.01	.0050	8:41-----	.09	.0326	7:26-----	.20	.0747
8:00-----	.11	.0423	1:00-----	.01	.0050	8:42-----	.18	.0701	7:30-----	.16	.0614
8:02-----	.09	.0326	1:03-----	.01	.0038	8:43-----	.31	.118	7:35-----	.15	.0573
8:03-----	.07	.0269	1:12-----	.01	.0019	8:44-----	.47	.180	7:37-----	.13	.0495
8:04-----	.06	.0217	1:17-----	.01	.0019	8:45-----	.53	.204	7:40-----	.11	.0423
8:05-----	.04	.0171	1:30-----	T	.0012	8:47-----	.53	.204	7:43-----	.09	.0326
8:07-----	.03	.0130	1:37-----	T	.0012	8:48-----	.49	.187	7:46-----	.08	.0297
8:09-----	.02	.0095	1:40-----	T	.0005	8:50-----	.41	.157	7:47-----	.06	.0242
8:10-----	.02	.0078	1:42-----	T	.0005	8:53-----	.34	.130	7:50-----	.05	.0193
8:11-----	.02	.0064	1:44-----	0	0	8:55-----	.28	.106	7:52-----	.05	.0193
8:14-----	.01	.0038	1:50-----	0	0	8:57-----	.22	.0846	7:53-----	.06	.0242
8:18-----	.01	.0019	1:55-----	0	0	9:00-----	.17	.0657	7:54-----	.08	.0297
8:25-----	T	.0005	1:57-----	T	T	9:07-----	.11	.0423	7:57-----	.08	.0297
8:35-----	T	T	2:00-----	T	T	9:15-----	.06	.0242	8:00-----	.08	.0297
9:00-----	0	0	2:03-----	T	T	9:25-----	.04	.0150	8:03-----	.09	.0357
July 24 <sup>21</sup>			2:08-----	T	T	9:54-----	.03	.0112	8:11-----	.11	.0423
<i>p. m.</i>			2:30-----	T	.0005	10:00-----	.02	.0078	8:14-----	.14	.0533
8:38-----	0	0	2:33-----	T	.0005	10:13-----	.01	.0050	8:23-----	.18	.0701
8:43-----	T	.0005	2:34-----	T	.0012	10:27-----	.01	.0028	8:27-----	.23	.0896
8:44-----	T	.0012	2:35-----	.01	.0028	10:55-----	.01	.0012	8:31-----	.31	.118
8:48-----	T	.0012	2:36-----	.01	.0050	11:00-----	T	.0012	8:34-----	.34	.130
8:50-----	.01	.0038	2:37-----	.02	.0078	11:03-----	T	.0012	8:37-----	.34	.130
8:51-----	.01	.0050	2:38-----	.03	.0112	11:05-----	0	0	8:40-----	.26	.100
8:53-----	.02	.0064	2:40-----	.04	.0150	12:00-----	0	0	11:00-----	.20	.0747
			2:42-----	.05	.0193				11:05-----	.17	.0657
			2:44-----	.06	.0242	Aug. 28-----	0	0	11:20-----	.13	.0495

<sup>20</sup> Total rainfall for storm of June 30 and July 1, 0.76 inch. Total soil loss in run-off water 0.0012 ton per acre. Grass 19 inches, weeds 13 inches, trees 13 inches high. Soil moist and soft.

<sup>21</sup> Total rainfall for storm of July 23, 0.71 inch. July 24, 0.35 inch. Total soil loss in run-off water for these storms 0.0002 ton per acre. Grass 23 inches, weeds 18 inches, trees 14 inches high. Soil moist and soft.

<sup>22</sup> Total rainfall for storm of July 26, 0.49 inch. No soil loss in run-off water. Grass 23 inches, weeds 18 inches, trees 14 inches high. Soil moist and soft.

<sup>23</sup> Total rainfall for storm of Aug. 26, 0.68 inch. No soil loss in run-off water. Grass 24 inches, weeds 20 inches, trees 14 inches high. Soil dry and loose.

<sup>24</sup> Total rainfall for storm of Aug. 27, 2.71 inches. Total soil loss in run-off water 0.0010 ton per acre. Grass 24 inches, weeds 20 inches, trees 14 inches high. Soil dry and loose.

<sup>25</sup> Total rainfall for storm of Aug. 29, 0.69 inch; Aug. 30, 1.21 inches. Total soil loss in run-off water for these storms 0.0025 ton per acre. Grass 22 inches, weeds 20 inches, trees 14 inches high. Soil dry to moist, loose.



TABLE 28.—Run-off from watershed 107, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Aug. 30 <sup>25</sup>				Nov. 5 <sup>25</sup>				Nov. 24 <sup>29</sup>				Nov. 28			
a. m.				a. m.				a. m.				a. m.			
11:35-----	0.09	0.0326	0.2593	11:25-----	0	0	0	5:00-----	T	0.0012	0.0019	4:20-----	T	0.0012	0.3062
:42-----	.08	.0297	.2630	:55-----	T	T		6:15-----	T	.0012	.0034	5:00-----	T	.0005	.3067
12:00-----	.08	.0297	.2719	12:00-----	T	T		7:00-----	T	.0005	.0040	11:15-----	T	.0005	.3098
p. m.				p. m.				:23-----	T	T	.0041	12:00-----	T	T	.3100
12:04-----	.08	.0297	.2738	12:44-----	T	T		8:00-----	0	0	.0041	p. m.			
:15-----	.06	.0242	.2787	1:00-----	T	.0012	.0002	Nov. 25-----	0	0	0	12:37-----	0	0	.3100
:44-----	.04	.0150	.2882	:35-----	T	.0012	.0009	Nov. 26 <sup>29</sup>				Nov. 29-----	0	0	0
1:00-----	.04	.0150	.2922	2:00-----	T	.0005	.0012	p. m.				Nov. 30 <sup>30</sup>			
:10-----	.04	.0150	.2947	:30-----	T	T	.0014	1:25-----	0	0	0	p. m.			
2:00-----	.02	.0078	.3042	3:10-----	0	0	.0014	:27-----	T	.0005		1:10-----	0	0	0
:23-----	.01	.0050	.3066	Nov. 6-10-----	0	0	0	:31-----	.01	.0019	.0001	:30-----	T	T	
:55-----	.01	.0028	.3087	Nov. 11 <sup>25</sup>				:35-----	.01	.0028	.0003	:45-----	T	.0005	.0001
3:00-----	.01	.0028	.3089	a. m.				:41-----	.01	.0050	.0007	2:00-----	T	.0005	.0002
:45-----	T	.0012	.3104	2:45-----	0	0	0	:45-----	.02	.0078	.0011	:45-----	T	.0005	.0005
4:00-----	T	.0005	.3106	3:42-----	T	T		:49-----	.03	.0112	.0017	2:00-----	T	.0005	.0005
:17-----	T	.0005	.3107	:47-----	T	.0012	.0001	:53-----	.04	.0150	.0026	:02-----	T	.0019	.0006
:45-----	T	.0012	.3111	:56-----	.01	.0028	.0004	:56-----	.05	.0193	.0107	:20-----	.01	.0019	.0006
5:00-----	.01	.0019	.3115	4:00-----	.01	.0028	.0006	2:00-----	.06	.0242	.0121	3:00-----	.01	.0028	.0022
:20-----	.01	.0028	.3123	:13-----	.01	.0028	.0012	:15-----	.09	.0357	.0196	:20-----	.01	.0028	.0031
6:00-----	.01	.0019	.3139	:41-----	T	.0012	.0021	:24-----	.10	.0389	.0252	:30-----	.01	.0019	.0037
:45-----	T	.0012	.3153	5:16-----	T	.0012	.0028	:36-----	.10	.0389	.0330	:40-----	.01	.0019	.0040
7:00-----	T	.0012	.3155	:30-----	T	.01	.0019	:45-----	.15	.0573	.0402	4:00-----	.01	.0019	.0046
:40-----	T	.0005	.3161	6:00-----	T	.0012	.0040	:48-----	.17	.0657	.0433	:20-----	T	.0012	.0051
9:00-----	T	T	.3165	:50-----	T	.0012	.0040	:50-----	.18	.0701	.0456	7:00-----	T	.0012	.0083
:45-----	0	0	.3165	:10-----	T	.0005	.0047	3:00-----	.18	.0701	.0572	10:30-----	0	0	.0104
Aug. 31-Sept. 23-----	0	0	0	:20-----	T	.0012	.0048	:10-----	.16	.0614	.0681	Dec. 1-11-----	0	0	0
Sept. 24 <sup>26</sup>				:30-----	.01	.0019	.0054	:21-----	.18	.0701	.0801	Dec. 12 <sup>31</sup>			
p. m.	0	0	0	:52-----	.01	.0019	.0061	:27-----	.18	.0701	.0871	p. m.			
8:05-----	T	T		8:00-----	.01	.0028	.0064	:45-----	.13	.0495	.1050	2:07-----	0	0	0
:09-----	T	T		:26-----	.01	.0028	.0076	4:00-----	.09	.0357	.1157	:14-----	T	.0012	.0001
10:15-----	T	.0012	.0001	:34-----	.01	.0050	.0081	:02-----	.09	.0326	.1169	:20-----	.01	.0028	.0003
:23-----	T	.0012	.0003	:37-----	.02	.0078	.0084	:10-----	.09	.0357	.1259	:28-----	.01	.0038	.0007
:35-----	T	T	.0005	:42-----	.03	.0112	.0092	:30-----	.10	.0389	.1334	:30-----	.01	.0038	.0008
:55-----	T	T		:50-----	.04	.0150	.0109	:38-----	.10	.0389	.1386	:40-----	.01	.0038	.0008
11:00-----	0	0	.0005	:55-----	.04	.0171	.0122	5:00-----	.06	.0242	.1502	:49-----	.01	.0050	.0012
12:00-----				9:00-----	.04	.0171	.0136	:03-----	.06	.0242	.1514	3:00-----	.01	.0050	.0033
Sept. 25 <sup>26</sup>				:18-----	.03	.0112	.0178	:35-----	.04	.0150	.1619	:15-----	.01	.0050	.0045
a. m.	0	0	0	:42-----	.02	.0078	.0216	:55-----	.03	.0130	.1666	:40-----	.01	.0028	.0061
1:10-----	T	.0012	.0001	:35-----	.01	.0050	.0235	6:00-----	.03	.0130	.1677	:49-----	.01	.0019	.0065
:20-----	.01	.0028	.0004	:45-----	.02	.0078	.0274	:25-----	.04	.0150	.1732	4:00-----	.01	.0019	.0069
:30-----	.01	.0038	.0021	11:00-----	.04	.0150	.0302	:38-----	.06	.0242	.1775	:20-----	.01	.0019	.0075
2:00-----	.01	.0038	.0022	:09-----	.05	.0193	.0328	:44-----	.07	.0269	.1796	:45-----	T	.0012	.0082
:02-----	.01	.0028	.0023	:15-----	.05	.0193	.0347	7:00-----	.08	.0297	.1872	5:00-----	T	.0005	.0084
:04-----	.01	.0019	.0026	:35-----	.04	.0150	.0404	:15-----	.08	.0297	.1946	:21-----	.01	.0038	.0091
:11-----	T	.0012	.0031	:50-----	.03	.0112	.0437	:28-----	.09	.0326	.2014	:30-----	.01	.0064	.0099
:30-----	T	.0005	.0035	12:00-----	.02	.0095	.0454	:32-----	.09	.0357	.2037	:40-----	.03	.0130	.0115
3:00-----	T	T	.0037	p. m.				:45-----	.09	.0357	.2115	6:00-----	.04	.0171	.0165
:45-----	0	0	.0037	12:25-----	.02	.0064	.0487	8:00-----	.08	.0297	.2197	:25-----	.05	.0193	.0241
4:30-----				1:00-----	.01	.0038	.0517	:08-----	.06	.0242	.2233	:45-----	.04	.0150	.0298
Sept. 26-Oct. 31-----	0	0	0	:45-----	.01	.0019	.0538	:23-----	.05	.0193	.2288	7:00-----	.03	.0112	.0331
Nov. 1 <sup>27</sup>				3:00-----	T	.0005	.0553	:43-----	.04	.0150	.2345	:20-----	.02	.0078	.0362
a. m.	0	0	0	4:00-----	T	T		9:00-----	.03	.0130	.2385	:50-----	.01	.0050	.0394
10:00-----	T	T		5:30-----	0	0	.0556	:40-----	.03	.0130	.2472	:00-----	.01	.0038	.0401
:21-----	T	T		6:00-----	0	0	.0556	10:00-----	.04	.0150	.2519	:20-----	.01	.0028	.0412
11:45-----	T	.0005	.0001	:05-----	T	T		:25-----	.04	.0171	.2586	:35-----	T	.0012	.0417
:50-----	T	.0005		:25-----	T	T		:30-----	.04	.0171	.2600	9:00-----	T	T	.0420
12:00-----				:38-----	T	.0012	.0557	11:00-----	.04	.0150	.2681	:20-----	0	0	.0420
p. m.				:44-----	.01	.0019	.0559	12:00-----	.02	.0078	.2793	Dec. 13-15-----	0	0	0
12:15-----	T	T	.0002	7:00-----	.01	.0019	.0564	Nov. 27				Dec. 16 <sup>32</sup>			
:55-----	T	.0005	.0003	:16-----	.01	.0019	.0569	a. m.				12:45-----	0	0	0
1:00-----	T	.0005	.0004	:30-----	T	.0012	.0573	1:00-----	.01	.0050	.2841	1:00-----	T	T	
:06-----	T	.0012	.0004	8:30-----	T	.0012	.0585	:45-----	.01	.0028	.2853	:15-----	T	.0012	.0001
:07-----	.01	.0028	.0005	9:00-----	T	.0005	.0589	2:00-----	.01	.0028	.2889	:28-----	.01	.0028	.0005
:10-----	.01	.0038	.0007	10:00-----	T	T	.0592	3:00-----	.01	.0019	.2913	:40-----	.01	.0050	.0013
:13-----	.01	.0028	.0016	11:30-----	0	0	.0592	:30-----	T	.0012	.2921	:50-----	.02	.0064	.0022
:30-----	.01	.0028	.0016	Nov. 12-23-----	0	0	0	6:15-----	T	.0012	.2954	2:00-----	.02	.0078	.0034
7:45-----	T	.0012	.0141	Nov. 24 <sup>29</sup>				7:15-----	T	.0005	.2963	:04-----	.02	.0078	.0049
8:00-----	T	.0005	.0143	a. m.				9:30-----	T	T	.2970	:20-----	.03	.0130	.0086
:35-----	0	0	.0145	3:37-----	0	0	0	p. m.				:45-----	.03	.0130	.0140
9:15-----	0	0	.0145	:42-----	T	.0012	.0001	7:30-----	T	T		3:00-----	.05	.0193	.0180
Nov. 2-4-----	0	0	0	:56-----	T	.0012	.0002	8:00-----	T	.0005	.2972	:11-----	.06	.0242	.0220
				4:00-----	T	.0012	.0002	9:00-----	T	.0005	.2977	:20-----	.07	.0269	.0258
				:05-----	.01	.0019	.0003	:45-----	T	.0012	.2983	:42-----	.07	.0269	.0357
				:30-----	.01	.0019	.0011	12:00-----	T	.0012	.3010	:50-----	.06	.0242	.0391

<sup>25</sup> Total rainfall for storm of Aug. 29, 0.69 inch; Aug. 30, 1.21 inches. Total loss in run-off water for these storms 0.0025 ton per acre. Grass 22 inches, weeds 20 inches, trees 14 inches high. Soil dry to moist, loose.

<sup>26</sup> Total rainfall for storm of Sept. 24 and 25, 0.95 inch. No soil loss in run-off water for this storm. Grass 20 inches, weeds 18 inches, trees 14 inches high. Soil dry and loose.

<sup>27</sup> Total rainfall for storm of Nov. 1, 0.96 inch. Total soil loss in run-off water 0.0001 ton per acre. Grass 14 inches, weeds 11 inches, trees 14 inches high. Soil dry and soft.

<sup>28</sup> Total rainfall for storm of Nov. 5, 0.26 inch; Nov. 11, 0.83 inch. Total soil loss in run-off water for these storms 0.0001 ton per acre. Grass 12 inches, weeds 9 inches, trees 14 inches high. Soil moist and soft.

<sup>29</sup> Total rainfall for storm of Nov. 24, 0.15 inch; Nov. 26, 27, and 28, 0.64 inch. Total soil loss in run-off water for these storms 0.0017 ton per acre. Grass 9 inches, weeds 8 inches, trees 14 inches high. Soil moist and soft.

<sup>30</sup> Total rainfall for storm of Nov. 30, 0.08 inch. Total soil loss in run-off water for this storm 0.0001 ton per acre. Grass 8 inches, weeds 8 inches, trees 14 inches high. Soil moist and soft.

<sup>31</sup> Total rainfall for storm of Dec. 12, 0.52 inch. Total soil loss in run-off water for this storm 0.0002 ton per acre. Grass 6 inches, weeds 8 inches, trees 14 inches high. Soil moist and soft.

<sup>32</sup> Total rainfall for storm of Dec. 16, 0.64 inch. Total soil loss in run-off water 0.0005 ton per acre.



TABLE 28.—*Run-off from watershed 107, 1940—Continued*

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Dec. 16				Dec. 27 <sup>34</sup>				Dec. 28				Dec. 29 <sup>35</sup>			
<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
4:00-----	0.05	0.0193	0.0427	4:24-----	0	0	0	10:00-----	0.01	0.0050	0.0108	4:20-----	0.07	0.0269	0.1963
:05-----	.05	.0193	.0443	:30-----	T	.0005		:05-----	.01	.0050	.0112	:25-----	.08	.0297	.1987
5:00-----	.03	.0112	.0553	:38-----	.01	.0028	.0002	:45-----	.01	.0038	.0144	:47-----	.08	.0297	.2096
:45-----	.02	.0078	.0654	:41-----	.01	.0050	.0004	:55-----	.01	.0038	.0151	5:05-----	.06	.0242	.2177
6:00-----	.02	.0078	.0673	:44-----	.02	.0078	.0007	11:00-----	.01	.0038	.0154	:21-----	.05	.0193	.2235
:50-----	.01	.0050	.0726	:47-----	.03	.0112	.0012	:06-----	.02	.0078	.0160	:40-----	.04	.0150	.2289
7:00-----	.01	.0050	.0734	:52-----	.04	.0150	.0023	:10-----	.03	.0112	.0163	6:10-----	.03	.0112	.2384
8:00-----	.01	.0028	.0773	:56-----	.05	.0193	.0034	:08-----	.04	.0150	.0167	:50-----	.02	.0078	.2417
9:00-----	.01	.0019	.0797	5:00-----	.05	.0193	.0047	:13-----	.05	.0193	.0176	7:15-----	.02	.0064	.2447
10:00-----	T	.0012	.0813	:18-----	.05	.0193	.0105	:24-----	.06	.0242	.0116	:35-----	.02	.0064	.2468
				:23-----	.04	.0171	.0120	:29-----	.08	.0297	.0238	:45-----	.02	.0078	.2480
<i>p. m.</i>				:40-----	.04	.0171	.0168	:33-----	.08	.0297	.0258	:55-----	.02	.0095	.2496
1:22-----	T	.0012	.0853	6:00-----	.03	.0112	.0204	:45-----	.06	.0242	.0312	8:00-----	.02	.0095	.2504
:23-----	.01	.0019		:30-----	.02	.0078	.0252	12:00-----	.06	.0217	.0368	:28-----	.08	.0112	.2553
:28-----	.01	.0028	.0855	7:00-----	.01	.0050	.0284					:40-----	.03	.0130	.2577
:30-----	.01	.0050	.0856	:40-----	.01	.0028	.0310	Dec. 29 <sup>35</sup>				:45-----	.08	.0130	.2588
:32-----	.02	.0078	.0858	8:00-----	.01	.0019	.0318	<i>a. m.</i>				9:02-----	.03	.0112	.2622
:35-----	.03	.0112	.0863	9:00-----	T	.0012	.0334	12:05-----	.05	.0193	.0385	:05-----	.03	.0112	.2628
:40-----	.03	.0130	.0873	10:00-----	T	.0012	.0346	:20-----	.04	.0150	.0428	:25-----	.04	.0150	.2672
:50-----	.03	.0130	.0895	:50-----	.01	.0019	.0359	:45-----	.03	.0112	.0483	:30-----	.04	.0150	.2684
2:00-----	.03	.0112	.0915	11:00-----	.01	.0019	.0362	1:00-----	.02	.0095	.0509	10:00-----	.03	.0112	.2750
:30-----	.02	.0078	.0962	12:00-----	.01	.0019	.0381	:17-----	.02	.0078	.0533	:40-----	.02	.0078	.2813
3:00-----	.01	.0050	.0994					:30-----	.02	.0064	.0548	11:00-----	.02	.0064	.2837
4:00-----	.01	.0028	.1033	Dec. 28				:40-----	.02	.0064	.0559	:40-----	.01	.0050	.2875
:45-----	.01	.0019	.1051	<i>a. m.</i>				:45-----	.03	.0112	.0566	12:00-----	.01	.0038	.2890
5:45-----	T	.0012	.1067	1:00-----	.01	.0019	.0400	:46-----	.04	.0150	.0568				
7:00-----	T	.0012	.1082	2:00-----	T	.0012	.0416	:47-----	.05	.0193	.0571	<i>p. m.</i>			
8:15-----	T	.0005	.1092	5:00-----	T	.0012	.0452	:48-----	.08	.0297	.0575	1:00-----	.01	.0028	.2923
11:00-----	0	0	.1100	6:00-----	T	.0005	.0460	:49-----	.09	.0357	.0580	3:00-----	T	.0012	.2967
Dec. 17-25-----	0	0	0	10:00-----	T	.0472		:50-----	.12	.0458	.0587	4:23-----	T	.0012	.2990
Dec. 26 <sup>33</sup>				11:15-----	0	0	.0472	:52-----	.17	.0657	.0606	5:20-----	.01	.0028	.2999
<i>a. m.</i>								:55-----	.20	.0747	.0641	:45-----	.01	.0038	.3013
12:57-----	T	.0005	.0003	6:32 <i>p. m.</i> <sup>35</sup>	0	0	0	2:00-----	.21	.0796	.0705	8:00-----	.01	.0038	.3099
1:00-----	T	.0005		:40-----	T	.0012		:10-----	.20	.0747	.0834	9:45-----	.01	.0019	.3150
:30-----	T	.0012	.0007	:53-----	T	.0012	.0001	:25-----	.17	.0657	.1009	12:00-----	.01	.0019	.3193
3:30-----	.01	.0019	.0039	7:00-----	.01	.0028	.0003	:29-----	.16	.0614	.1051	Dec. 30			
4:30-----	.01	.0019	.0058	:30-----	.01	.0038	.0005	:40-----	.20	.0747	.1189	<i>a. m.</i>			
5:00-----	T	.0012	.0066	:12-----	.01	.0050	.0012	:51-----	.20	.0747	.1341	3:00-----	T	.0012	.3251
:30-----	T	.0012	.0072	:27-----	.01	.0050	.0024	3:00-----	.16	.0614	.1445	7:15-----	T	.0012	.3292
6:00-----	T	.0012	.0078	8:00-----	.01	.0028	.0045	:11-----	.13	.0495	.1547	10:30-----	T	.0005	.3321
7:00-----	T	.0005	.0080	:55-----	.01	.0019	.0067	:16-----	.12	.0458	.1587	12:00-----	T	.0005	.3329
8:00-----	T	.0005	.0085	:07-----	.01	.0019	.0069	:30-----	.12	.0458	.1696				
9:45-----	0	0	.0090	:17-----	.01	.0028	.0076	:44-----	.09	.0357	.1802	<i>p. m.</i>			
				:40-----	.01	.0050	.0091	4:04-----	.06	.0242	.1902	5:15-----	T	T	.3345
								:12-----	.06	.0217	.1932	6:51-----	0	0	.3345
								:15-----	.06	.0217	.1943	Dec. 31-----	0	0	0

<sup>33</sup> Total rainfall for storm of Dec. 26, 0.15 inch. No soil loss in run-off water.

<sup>34</sup> Total rainfall for storm of Dec. 27 and 28, 0.35 inch. Total soil loss in run-off water 0.0020 ton per acre.

<sup>35</sup> Total rainfall for storm of Dec. 28 and 29, 0.44 inch. No soil loss in run-off water.

TABLE 29.—Run-off from watershed 109, 1940

LOCATION: Latitude  $40^{\circ}22'13''$ , longitude  $81^{\circ}47'38''$ .

## PHYSICAL CHARACTERISTICS:

*Drainage area.*—1.69 acres.

*Length of principal watercourse.*—350 feet.

**Topography.**—The upper half of the drainage area is the steepest. Two small channels extend back approximately 150 feet from the flume. Slope is regular and drainage pattern is poorly defined. Aspect is to the east.

**Slope.**—Average slope is 12.7 percent. Seventy-one percent of the watershed has a slope of 6 to 10 percent and 29 percent has a slope of 10 to 20 percent.

*Erosion condition.*—Sheet erosion has removed 25 to 50 percent of the topsoil from this watershed. There is no gully erosion. Erosional deposit at lower end of watershed covers 10 square feet.

*Soil.*—Muskingum silt loam is the predominant soil.

*Special features.*—Records can be compared with those from lysimeter battery Y102, which adjoins the watershed and is treated in a similar manner.

LAND AND USE VEGETAL COVER:

*Land use distribution.*—Cropland, 100 percent. Plan calls for rotated crops under improved practices. Wheat followed by meadow was the cover during 1940.

*Vegetal cover and soil condition.*—Litter during the growing season was composed of wheat stubble and straw averaging 200 pounds to the acre. Cover and soils were as follows:

January 11, soil moist and hard, wheat 4.5 inches high, frost penetration 5 inches.

January 25, soil moist and hard, wheat 4.5 inches high,  
frost penetration 7 inches.

February 8, soil moist and hard, wheat 4.5 inches high,  
frost penetration 7 inches.

February 23, soil moist and firm, wheat 4.5 inches high,  
frost penetration 1 inch.

March 6, soil soggy and soft, wheat 4.5 inches high, many shallow rills approximately 3 inches by 2 inches.

March 21, soil fairly wet and soft, wheat 4.5 inches high,  
one rill 6 inches by 6 inches, heavy sheet erosion.

April 5, soil moist and soft, wheat 5 inches high, deposit near flume. One rill 8 inches by 6 inches.

April 24, soil moist and soft, wheat 5.5 inches high.

May 8, soil moist and soft, wheat 6 inches high.

May 22, soil dry and loose; wheat 12 inches, grass and clover  $\frac{1}{4}$  inch high.

June 5, soil dry and soft; wheat 20 inches, grass and clover 2 inches, and weeds 2 inches high, few rills.



TABLE 29.—Run-off from watershed 109, 1940—Continued

June 17, soil moist and soft; wheat 35 inches, grass and clover 3 inches, and weeds 3 inches high, scouring in rills.

July 9, soil moist and soft; wheat 38 inches, grass and clover 4 inches, and weeds 4 inches high.

July 12, wheat harvested, yield 26.6 bushels per acre.

July 24, soil moist and soft; grass 5 inches, clover 5 inches, and weeds 6 inches high.

August 9, soil dry and loose; grass 6 inches, clover 6 inches, and weeds 7 inches high.

August 22, soil dry and loose; grass 6 inches, clover 7 inches, and weeds 8 inches high.

September 13, soil dry and loose; grass 6 inches, clover 8 inches, and weeds 9 inches high.

September 27, soil moist and soft; grass 6 inches, clover 9 inches, and weeds 9 inches high.

October 10, soil dry and loose; grass 5 inches, clover 9 inches, and weeds 9 inches high.

October 24, soil dry and loose; grass 5 inches, clover 6 inches, and weeds 8 inches high.

November 7, soil moist and soft; grass 4 inches, clover 6 inches, and weeds 6 inches high.

November 28, soil moist and soft; grass 3 inches, clover 3 inches, and weeds 4 inches high.

December 11, soil moist and soft; grass 2 inches, clover 2 inches, and weeds 3 inches high.

## MEASUREMENTS:

**Precipitation.**—Rainfall was measured at one recording rain gage, Y102, (fig. 2). Snowfall was measured in the rain gage supplemented by a snow board. Snow inventory on the watershed was obtained by surveys and observations to determine depth, distribution, and water equivalent.

**Run-off.**—Run-off was measured by an H flume of 3-foot depth. Run-off records are very good. Silt deposits have caused some inaccuracy of recession curves during major storms. The laboratory rating of the flume was used.

**Soil loss.**—Records of soil loss in run-off water were obtained by silt box and Ramser automatic silt sampler placed at outlet of measuring flume.

**Changes in instrumentation during year.**—Gullies and channels were shaped and sodded during August to form grassed waterway.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, JULY 1938 TO DECEMBER 1940:

**Rainfall.**—Total precipitation 1940, 44.61 inches; average annual precipitation for period of record, 40.38 inches.

**Run-off.**—Annual run-off amount 1940, 12.18 inches; maximum rate of run-off for period of record, 3.71 inches per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Jan. 1-13----	0	0	0	Jan. 14 <sup>1</sup>				Jan. 14 <sup>1</sup>				Feb. 6 <sup>2</sup>			
Jan. 14 <sup>1</sup>				a. m.				a. m.				p. m.			
6:43-----	0	0	0	8:40-----	0.23	0.137	0.3568	11:05-----	0.07	0.0405	0.5850	2:30-----	0.42	0.247	0.0907
44-----	.01	.0035	.0003	:45-----	.21	.121	.3675	:10-----	.06	.0358	.5882	:31-----	.37	.214	.0946
:45-----	.05	.0286	.0011	:50-----	.19	.113	.3772	:20-----	.05	.0286	.5935	:32-----	.33	.193	.0981
:46-----	.11	.0663	.0025	:55-----	.18	.106	.3862	:30-----	.04	.0205	.5977	:33-----	.31	.183	.1013
:47-----	.17	.0986	.0045	9:00-----	.17	.0986	.3946	:45-----	.02	.0135	.6020	:42-----	.31	.183	.1287
:48-----	.23	.137	.0063	:07-----	.16	.0915	.4058	12:00-----	.01	.0082	.6047	:43-----	.35	.204	.1320
:50-----	.30	.174	.0096	:10-----	.13	.0786	.4101					:45-----	.31	.183	.1384
:58-----	.28	.164	.0321	:12-----	.13	.0786	.4127	p. m.				:55-----	.31	.183	.1690
:59-----	.26	.155	.0348	:15-----	.16	.0915	.4170	12:10-----	.01	.0065	.6059	3:00-----	.30	.174	.1849
7:00-----	.25	.146	.0374	:16-----	.16	.0915	.4186	:20-----	.01	.0041	.6067	:05-----	.28	.164	.1979
:02-----	.22	.129	.0419	:17-----	.13	.0786	.4200	:25-----	.01	.0035	.6070	:10-----	.26	.155	.2112
:04-----	.19	.113	.0459	:20-----	.13	.0786	.4240	:35-----	T	.0012	.6074	:15-----	.23	.137	.2233
:06-----	.18	.106	.0495	:22-----	.12	.0722	.4265	:45-----	T	T	.6075	:20-----	.22	.129	.2343
:08-----	.17	.0986	.0529	:24-----	.12	.0722	.4289	1:10-----	0	0	.6075	:25-----	.21	.121	.2447
:10-----	.16	.0915	.0560	:25-----	.11	.0663	.4301					:30-----	.19	.113	.2544
:13-----	.15	.0851	.0605	:27-----	.09	.0552	.4321	Jan. 15-Feb.				:34-----	.19	.113	.2620
:16-----	.15	.0851	.0648	:30-----	.07	.0405	.4345	5-----	0	0	0	:37-----	.21	.121	.2679
:18-----	.17	.0986	.0678	:35-----	.06	.0358	.4377	Feb. 6 <sup>2</sup>				:40-----	.22	.129	.2742
:20-----	.21	.121	.0714	:45-----	.05	.0317	.4434	p. m.				:45-----	.25	.146	.2857
:22-----	.25	.146	.0758	:47-----	.05	.0317	.4445	12:40-----	0	0	0	:53-----	.23	.137	.3093
:25-----	.26	.155	.0833	:50-----	.06	.0358	.4462	1:10 <sup>3</sup>	T	T		:04-----	.21	.121	.3329
:30-----	.30	.174	.0970	:52-----	.07	.0405	.4475	:20 <sup>3</sup>	T	.0012		:10-----	.21	.121	.3450
:35-----	.35	.204	.1127	:55-----	.09	.0552	.4499	:30-----	.01	.0035	.0005	:25-----	.19	.113	.3743
:36-----	.37	.214	.1163	:58-----	.11	.0663	.4530	:45-----	.01	.0041	.0010	:35-----	.18	.106	.3924
:38-----	.35	.204	.1232	10:00-----	.16	.0915	.4556	:55-----	.01	.0082	.0018	:45-----	.17	.0986	.4094
:40-----	.33	.193	.1297	:01-----	.17	.0986	.4572	:50-----	.02	.0135	.0026	:55-----	.16	.0915	.4252
:42-----	.33	.193	.1361	:03-----	.19	.113	.4607	:55-----	.04	.0205	.0040	5:05-----	.15	.0815	.4396
:45-----	.37	.214	.1463	:04-----	.23	.137	.4628	:00-----	.05	.0317	.0062	:10-----	.13	.0786	.4463
:50-----	.40	.236	.1537	:05-----	.22	.129	.4651	:03-----	.07	.0405	.0080	:15 <sup>3</sup>	.11	.0663	.4523
:51-----	.42	.247	.1578	:07-----	.23	.137	.4695	:05-----	.09	.0500	.0095	:20 <sup>3</sup>	.09	.0500	.4571
:53-----	.52	.309	.1670	:09-----	.30	.174	.4746	:07-----	.10	.0604	.0113	:23 <sup>3</sup>	.06	.0358	.4593
:55-----	.62	.364	.1781	:11-----	.31	.183	.4805	:09-----	.13	.0786	.0148	:25 <sup>3</sup>	.05	.0286	.4604
:57-----	.64	.378	.1904	:15-----	.20	.164	.5015	:10-----	.18	.106	.0178	:30 <sup>3</sup>	.03	.0176	.4623
:59-----	.64	.378	.2029	:20-----	.25	.146	.5066	:12-----	.22	.129	.0217	:35 <sup>3</sup>	.01	.0065	.4633
8:00-----	.62	.364	.2092	:27-----	.25	.146	.5236	:14-----	.25	.146	.0240	:40 <sup>3</sup>	T	.0012	.4636
:05-----	.60	.336	.2377	:30-----	.23	.137	.5307	:15-----	.28	.164	.0266	:45 <sup>3</sup>	0	0	.4636
:10-----	.46	.271	.2624	:35-----	.19	.113	.5411	:16-----	.33	.193	.0323	:55 <sup>3</sup>	0	0	
:15-----	.40	.236	.2834	:39-----	.22	.129	.5472	:18-----	.40	.236	.0394				
:20-----	.35	.204	.3017	:45-----	.18	.106	.5611	:20-----	.46	.271	.0477	Feb. 7-8	0	0	0
:25-----	.31	.183	.3178	:50-----	.15	.0851	.5691	:22-----	.50	.296	.0525	Feb. 9 <sup>2</sup>			
:30-----	.28	.164	.3322	:52-----	.12	.0722	.5717	:23-----	.57	.336	.0629	p. m.			
:35-----	.25	.146	.3451	:54-----	.15	.0851	.5743	:25-----	.64	.378	.0745	6:00-----	0	0	0
				:55-----	.12	.0722	.5756	:27-----	.60	.350	.0806	:05 <sup>3</sup>	T	T	
				11:00-----	.09	.0552	.5808	:28-----	.48	.283	.0861	:10 <sup>3</sup>	T	.0012	

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.71 inch. Total soil loss in run-off water 2.58 tons per acre. Wheat 4.5 inches high. Soil moist and hard, frost penetration 5 inches.

<sup>2</sup> Total rainfall for storm of Feb. 6, 0.46 inch; Feb. 9, 0.15 inch; Feb. 10, 0.70 inch; Feb. 11, 0.14 inch. No rainfall on Feb. 12. Total soil loss in run-off water for this period

3.94 tons per acre. Melting snow and thawing soil contributed to run-off. Wheat 4.5 inches high. Soil moist and hard, frost penetration 7 inches.

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Feb. 9 <sup>2</sup>				Feb. 10 <sup>2</sup>				Feb. 12 <sup>2</sup>				Mar. 3 <sup>4</sup>			
6:15 <sup>3</sup>	0.01	0.0041	0.0002	6:00	0.37	0.214	0.5647	11:42	0.50	0.296	0.0100	9:30 <sup>3</sup>	0.01	0.0082	0.2654
:20 <sup>3</sup>	0.02	0.0111	0.0008	:05	0.35	0.204	0.5820	:43	0.55	0.322	0.0151	:31 <sup>3</sup>	0.02	0.0135	0.2656
:25 <sup>3</sup>	0.04	0.0205	0.0021	:09	0.33	0.194	0.5953	:45	0.67	0.393	0.0170	:32 <sup>3</sup>	0.04	0.0205	0.2659
:30 <sup>3</sup>	0.05	0.0317	0.0043	:15	0.33	0.194	0.6146	:46	0.75	0.439	0.0239	:33 <sup>3</sup>	0.05	0.0317	0.2664
:35 <sup>3</sup>	0.09	0.0500	0.0077	:20	0.35	0.204	0.6310	:47	0.75	0.439	0.0312	:34	0.09	0.0552	0.2671
:40	0.10	0.0604	0.0123	:25	0.35	0.204	0.6479	:48	0.72	0.423	0.0384	:35	0.15	0.0851	0.2683
:43	0.11	0.0663	0.0155	:30	0.33	0.194	0.6744	:50	0.72	0.423	0.0525	:36	0.16	0.0915	0.2698
:45	0.12	0.0722	0.0178	:45	0.31	0.184	0.7120	:52	0.70	0.408	0.0663	:37	0.17	0.0986	0.2714
:47	0.12	0.0722	0.202	:55	0.30	0.174	0.7417	:55	0.62	0.364	0.0856	:39	0.18	0.106	0.2748
:50	0.15	0.0851	0.242	7:05	0.30	0.174	0.7707	:58	0.55	0.322	0.1026	:50	0.18	0.106	0.2942
:53	0.16	0.0915	0.286	:10	0.28	0.164	0.7847	12:00	0.50	0.296	0.1129	:55 <sup>3</sup>	0.17	0.0986	0.3027
7:00	0.17	0.0986	0.398	:15	0.25	0.146	0.7976					10:00 <sup>3</sup>	0.16	0.0915	0.3106
:07	0.18	0.106	0.519	:20	0.22	0.129	0.8090					:05 <sup>3</sup>	0.13	0.0786	0.3177
:15	0.17	0.0986	0.855	:25	0.21	0.121	0.8194					:08 <sup>3</sup>	0.11	0.0663	0.3213
:16	0.16	0.0915	0.871	:33	0.18	0.106	0.8345	12:03	0.42	0.247	0.1265	:10 <sup>3</sup>	0.09	0.0552	0.3233
:18	0.13	0.0786	0.899	:40 <sup>3</sup>	0.16	0.0915	0.8461	:08	0.31	0.183	0.1446	:15 <sup>3</sup>	0.08	0.0452	0.3275
:20	0.12	0.0722	0.924	:45 <sup>3</sup>	0.15	0.0851	0.8525	:14	0.30	0.174	0.1624	:20 <sup>3</sup>	0.05	0.0317	0.3307
:22	0.11	0.0663	0.947	:50 <sup>3</sup>	0.12	0.0722	0.8590	:17	0.28	0.164	0.1708	:25 <sup>3</sup>	0.04	0.0241	0.3330
:25 <sup>3</sup>	0.09	0.0552	0.977	:54 <sup>3</sup>	0.11	0.0663	0.8636	:20	0.23	0.137	0.1783	:30 <sup>3</sup>	0.03	0.0176	0.3347
:27 <sup>3</sup>	0.07	0.0405	0.993	8:00 <sup>3</sup>	0.09	0.0552	0.8696	:25	0.21	0.121	0.1891	:35 <sup>3</sup>	0.02	0.0111	0.3359
:30 <sup>3</sup>	0.05	0.0286	1.010	:05 <sup>3</sup>	0.09	0.0500	0.8740	:28	0.18	0.106	0.1945	:40 <sup>3</sup>	0.01	0.0065	0.3366
:35 <sup>3</sup>	0.02	0.0135	1.027	:10 <sup>3</sup>	0.08	0.0452	0.8779	:31	0.16	0.0915	0.1994	:45 <sup>3</sup>	0.01	0.0041	0.3370
:40 <sup>3</sup>	0.01	0.0082	1.036	:15 <sup>3</sup>	0.07	0.0405	0.8815	:35	0.13	0.0786	0.2051	:50 <sup>3</sup>	0.01	0.0035	0.3373
:45 <sup>3</sup>	0.01	0.0041	1.041	:25 <sup>3</sup>	0.06	0.0358	0.8878	:40	0.11	0.0663	0.2111	11:00 <sup>3</sup>	T	0.0012	0.3377
:52 <sup>3</sup>	T	0.0012	1.045	:30 <sup>3</sup>	0.06	0.0358	0.8909	:45	0.09	0.0552	0.2162	:15 <sup>3</sup>	T	T	0.3378
:57 <sup>3</sup>	T	T	1.046	:35 <sup>3</sup>	0.08	0.0452	0.8942	:51	0.07	0.0405	0.2210	:30	0	0	0.3378
				:38 <sup>3</sup>	0.09	0.0552	0.8967	:55	0.05	0.0317	0.2234				
				:40 <sup>3</sup>	0.11	0.0663	0.8987	1:00	0.04	0.0241	0.2257				
8:44 <sup>3</sup>	T	T	0	:42 <sup>3</sup>	0.13	0.0786	0.9011	:05	0.03	0.0176	0.2274	Mar. 4-16..	0	0	0
:46 <sup>3</sup>	T	0.0012	0.0002	:44	0.16	0.0915	0.9039	:10	0.02	0.0111	0.2286	Mar. 17 <sup>5</sup>			
:50 <sup>3</sup>	0.01	0.0065	0.0005	:45	0.18	0.106	0.9056	:20	0.01	0.0041	0.2298				
:52 <sup>3</sup>	0.02	0.0111	0.0008	:47	0.19	0.113	0.9092	:30	T	0.0012	0.2302	10:20	0	0	0
:55 <sup>3</sup>	0.04	0.0205	0.0016	:50	0.21	0.121	0.9151	:37	T	T	0.2303	11:10	T	0.0012	0.0002
:56 <sup>3</sup>	0.05	0.0286	0.0020	:55	0.19	0.113	0.9248	2:00	0	0	0.2303	:45	0.01	0.0035	0.0015
:58 <sup>3</sup>	0.06	0.0358	0.0031	9:00	0.17	0.0986	0.9330								
9:00 <sup>3</sup>	0.08	0.0452	0.0044	:05 <sup>3</sup>	0.15	0.0851	0.9426	Feb. 13-							
:02 <sup>3</sup>	0.10	0.0604	0.0062	:10 <sup>3</sup>	0.11	0.0663	0.9489	Mar. 2	0	0	0				
:05	0.13	0.0786	0.0097	:15 <sup>3</sup>	0.09	0.0552	0.9540	Mar. 3 <sup>4</sup>							
:06	0.15	0.0851	0.0111	:20 <sup>3</sup>	0.07	0.0405	0.9579								
:08	0.17	0.0986	0.0141	:22 <sup>3</sup>	0.06	0.0358	0.9592								
:10	0.18	0.106	0.0175	:25 <sup>3</sup>	0.04	0.0286	0.9607								
:18	0.18	0.106	0.0669	:27 <sup>3</sup>	0.04	0.0205	0.9615	3:00	T	T	0.0126	12:15	0.01	0.0035	0.0033
:40	0.17	0.0986	0.0703	:30 <sup>3</sup>	0.02	0.0135	0.9624	4:00 <sup>3</sup>	0.01	0.0035	0.0150	:45	0.01	0.0041	0.0052
:42	0.15	0.0851	0.0733	:34 <sup>3</sup>	0.01	0.0082	0.9631	5:00 <sup>3</sup>	0.01	0.0041	0.0188	:32	0.04	0.0205	0.0126
:45	0.12	0.0663	0.0772	:38 <sup>3</sup>	0.01	0.0041	0.9635	:01 <sup>3</sup>	0.01	0.0065	0.0189	:35	0.05	0.0286	0.0138
:50 <sup>3</sup>	0.09	0.0552	0.0824	:40	0.01	0.0035	0.9636	:04 <sup>3</sup>	0.02	0.0111	0.0193	:37	0.06	0.0358	0.0149
:52 <sup>3</sup>	0.08	0.0452	0.0841	:44	T	0.0012	0.9638	:05 <sup>3</sup>	0.03	0.0176	0.0195	:40	0.08	0.0452	0.0169
:54 <sup>3</sup>	0.06	0.0358	0.0854	:47	T	T		:07 <sup>3</sup>	0.05	0.0286	0.0202	:42	0.09	0.0500	0.0185
:55 <sup>3</sup>	0.05	0.0317	0.0860	:55	0	0	0.9638	:08 <sup>3</sup>	0.06	0.0358	0.0207	:45	0.09	0.0500	0.0210
:58 <sup>3</sup>	0.04	0.0205	0.0873					:09 <sup>3</sup>	0.08	0.0452	0.0214	:46	0.09	0.0552	0.0219
10:00 <sup>3</sup>	0.03	0.0176	0.0889					:10	0.09	0.0552	0.0223	:48	0.11	0.0663	0.0239
:05 <sup>3</sup>	0.01	0.0082	0.0900	11:10 <sup>3</sup>	0	0	0	:11	0.26	0.155	0.0241	:58	0.11	0.0663	0.0350
:10 <sup>3</sup>	0.01	0.0041	0.0905	:12 <sup>3</sup>	T	0.0012	0	:12	1.52	0.892	0.0330	:59	0.17	0.0986	0.0364
:15 <sup>3</sup>	T	0.0012	0.0907	:13 <sup>3</sup>	0.01	0.0035	0.0001	:13	2.15	1.26	0.0509	3:02	0.18	0.106	0.0415
:20 <sup>3</sup>	T	T	0.0908	:14 <sup>3</sup>	0.01	0.0065	0.0002	:14	2.73	1.60	0.0747	:05	0.19	0.113	0.0470
:30	0	0	0.0908	:15 <sup>3</sup>	0.02	0.0111	0.0003	:15	2.85	1.67	0.1019	:08	0.21	0.121	0.0529
Feb. 10 <sup>2</sup>				:16 <sup>3</sup>	0.02	0.0135	0.0005	:16	2.62	1.54	0.1287	:13	0.21	0.121	0.0629
3:44	0	0	0	:17 <sup>3</sup>	0.04	0.0205	0.0008	:17	1.91	1.12	0.1508	:16	0.19	0.113	0.0668
:45 <sup>3</sup>	T	T		:18 <sup>3</sup>	0.05	0.0206	0.0012	:18	1.40	0.822	0.1670	:18	0.19	0.113	0.0705
:47 <sup>3</sup>	0.01	0.0065	0.0001	:19 <sup>3</sup>	0.06	0.0358	0.0017	:19	1.11	0.651	0.1793	:23	0.22	0.129	0.0843
:49 <sup>3</sup>	0.03	0.0176	0.0005	:20 <sup>3</sup>	0.08	0.0452	0.0024	:20	0.95	0.558	0.1894	:25	0.22	0.129	0.0908
:50 <sup>3</sup>	0.05	0.0286	0.0009	:21 <sup>3</sup>	0.10	0.0604	0.0033	:21	0.70	0.408	0.1975	:28	0.21	0.121	0.0971
:51	0.09	0.0500	0.0016	:22	0.11	0.0663	0.0044	:22	0.55	0.322	0.2036	:31	0.17	0.0986	0.1049
:52	0.16	0.0915	0.0028	:25	0.12	0.0722	0.0079	:23	0.44	0.259	0.2085	:35	0.17	0.0986	0.1137
:53	0.17	0.0906	0.0044	:31	0.12	0.0722	0.0151	:24	0.35	0.204	0.2124	:45	0.16	0.0915	0.1216
:54	0.28	0.164	0.0066	:33	0.11	0.0663	0.0174	:25	0.28	0.164	0.2155	:51	0.13	0.0786	0.1301
:55	0.40	0.236	0.0100	:35	0.09	0.0552	0.0194	:26	0.23	0.137	0.2181	:57	0.11	0.0663	0.1373
:56	0.48	0.284	0.0144	:36	0.03	0.0452	0.0203	:27	0.18	0.106	0.2202	:59	0.11	0.0663	0.1395
:57	0.55	0.323	0.0195	:37	0.06	0.0358	0.0210	:28	0.16	0.0915	0.2219	4:05	0.10	0.0604	0.1458
4:02	0.55	0.323	0.0462	:40	0.04	0.0205	0.0224	:29	0.15	0.0851	0.2234	:15	0.10	0.0604	0.1559
:05	0.53	0.309	0.0620	:42	0.02	0.0111	0.0229	:30	0.13	0.0786	0.2248	:23	0.09	0.0552	0.1636
:08	0.50	0.296	0.0771	:45	0.01	0.0041	0.0233	:32	0.10	0.0604	0.2271	:25	0.09	0.0500	0.1653
:18	0.53	0.309	0.1277	:48	T	0.0035	0.0235	:35 <sup>3</sup>	0.09	0.0500	0.2299	:28	0.09	0.0500	0.1678
:25	0.50	0.296	0.1630	:51	0	0	0.0236	:37 <sup>3</sup>	0.08	0.0452	0.2315	:30	0.08	0.0452	0.1694
:32	0.48	0.284	0.1969	Feb. 11	0	0	0	:40 <sup>3</sup>	0.06	0.0358	0.2336	:35	0.06	0.0358	0.1728
:47	0.48	0.284	0.2679	Feb. 12 <sup>2</sup>				:42 <sup>3</sup>	0.05	0.0317	0.2347	:41	0.05	0.0317	0.1762
:52	0.46	0.272	0.2909					:45 <sup>3</sup>	0.05</						



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Mar. 18 <sup>5</sup>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Apr. 11 <sup>6</sup>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Apr. 19 <sup>6</sup>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	Apr. 20	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
5:45	0	0	0	6:43	0.01	0.0041	0.0116	10:54	0.21	0.122	0.0891	7:38	0.21	0.122	0.4273
:49	T	T		:45	0.01	0.0062	0.0118	11:00	0.18	0.106	0.1005	:40	0.18	0.106	0.4311
:51	T	0.0012		:50	0.01	0.0084	0.0124	:04	0.19	0.109	0.1077	:43	0.13	0.0786	0.4357
:52	0.03	0.0176	0.0001	7:00	0.01	0.0084	0.0138	:05	0.21	0.122	0.1097	:45	0.13	0.0786	0.4383
:53	0.08	0.0452	0.0006	:07	0.01	0.0084	0.0148	:10	0.23	0.137	0.1205	:46	0.11	0.0662	0.4395
:54	0.13	0.0796	0.0016	:11	0.02	0.0109	0.0154	:14	0.30	0.174	0.1310	:48	0.09	0.0500	0.4414
:55	0.18	0.106	0.0031	:14	0.03	0.0176	0.0161	:20	0.28	0.164	0.1479	:50	0.07	0.0403	0.4429
:57	0.21	0.121	0.0078	:16	0.03	0.0204	0.0167	:26	0.28	0.164	0.1643	:53	0.05	0.0316	0.4447
:58	0.21	0.121	0.0098	:20	0.04	0.0238	0.0182	:33	0.26	0.155	0.1830	:56	0.04	0.0239	0.4461
6:00	0.19	0.113	0.0137	:30	0.03	0.0204	0.0219	:36	0.28	0.164	0.1910	:58	0.04	0.0204	0.4468
:02	0.18	0.106	0.0173	:40	0.03	0.0204	0.0253	:40	0.23	0.137	0.2010	8:00	0.03	0.0191	0.4475
:03	0.18	0.106	0.0191	:48	0.03	0.0204	0.0280	:41	0.19	0.113	0.2031	:02	0.03	0.0176	0.4481
:04	0.17	0.0986	0.0208	:53	0.03	0.0176	0.0296	:45	0.16	0.0915	0.2099	:11	0.02	0.0137	0.4504
:06	0.18	0.106	0.0242	8:00	0.03	0.0204	0.0316	:47	0.12	0.0721	0.2126	:20	0.02	0.0109	0.4522
:07	0.21	0.121	0.0261	:10	0.03	0.0204	0.0350	:50	0.09	0.0500	0.2157	:30	0.01	0.0084	0.4538
:08	0.25	0.146	0.0283	:14	0.05	0.0276	0.0366	:53	0.07	0.0403	0.2180	:40	0.01	0.0084	0.4552
:09	0.30	0.174	0.0310	:16	0.05	0.0276	0.0375	:56	0.05	0.0316	0.2198	9:00	0.01	0.0084	0.4580
:10	0.33	0.193	0.0341	:20	0.05	0.0238	0.0392	12:00	0.04	0.0239	0.2217	:20	0.01	0.0073	0.4606
:11	0.37	0.214	0.0375	:27	0.03	0.0204	0.0418					:40	0.01	0.0084	0.4632
:12	0.42	0.247	0.0414	:40	0.03	0.0204	0.0462	Apr. 20				:54	0.02	0.0109	0.4655
:14	0.42	0.247	0.0496	:43	0.03	0.0204	0.0472					10:00	0.02	0.0096	0.4665
:15	0.37	0.214	0.0535	:47	0.04	0.0238	0.0487	<i>a. m.</i>				:20	0.02	0.0096	0.4697
:16	0.38	0.225	0.0572	:52	0.04	0.0238	0.0507	12:03	0.04	0.0204	0.2228	:40	0.01	0.0084	0.4727
:17	0.37	0.214	0.0609	9:00	0.06	0.0358	0.0547	:10	0.03	0.0176	0.2250	11:00	0.02	0.0096	0.4757
:18	0.35	0.204	0.0644	:02	0.06	0.0358	0.0559	:14	0.03	0.0176	0.2261	:15	0.02	0.0109	0.4783
:19	0.35	0.204	0.0678	:09	0.05	0.0316	0.0598	:16	0.02	0.0137	0.2266	:20	0.02	0.0109	0.4792
:20	0.33	0.193	0.0711	:12	0.05	0.0286	0.0613	:20	0.02	0.0137	0.2275	:26	0.02	0.0109	0.4803
:21	0.30	0.174	0.0742	:14	0.05	0.0286	0.0623	:30	0.02	0.0109	0.2296	:30	0.02	0.0137	0.4811
:22	0.26	0.155	0.0769	:20	0.05	0.0286	0.0652	:40	0.01	0.0084	0.2312	:40	0.02	0.0123	0.4833
:23	0.23	0.137	0.0793	:22	0.05	0.0286	0.0662	1:00	0.01	0.0084	0.2340	:55	0.02	0.0109	0.4862
:24	0.21	0.121	0.0815	:23	0.03	0.0204	0.0666	:20	0.01	0.0084	0.2368	12:00	0.02	0.0109	0.4871
:25	0.19	0.113	0.0835	:35	0.04	0.0238	0.0710	:40	0.01	0.0084	0.2396				
:26	0.17	0.0986	0.0853	:38	0.05	0.0316	0.0724	2:00	0.01	0.0073	0.2422	<i>p. m.</i>			
:27	0.18	0.106	0.0870	:40	0.05	0.0316	0.0734	:20	0.01	0.0073	0.2446	12:05	0.02	0.0109	0.4880
:28	0.16	0.0915	0.0886	:44	0.06	0.0358	0.0756	:40	0.01	0.0084	0.2472	:10	0.01	0.0084	0.4888
:29	0.12	0.0722	0.0900	10:00	0.07	0.0403	0.0857	3:00	0.01	0.0062	0.2496	:20	0.01	0.0084	0.4902
:30	0.11	0.0663	0.0912	:07	0.06	0.0358	0.0901	:20	0.01	0.0062	0.2517	:40	0.01	0.0084	0.4930
:31	0.09	0.0500	0.0922	:09	0.05	0.0286	0.0912	:40	0.01	0.0043	0.2534	1:00	0.01	0.0084	0.4961
:32	0.09	0.0500	0.0930	:13	0.04	0.0204	0.0928	4:00	0.01	0.0043	0.2548	:05	0.02	0.0096	0.4965
:33	0.07	0.0405	0.0937	:15	0.03	0.0176	0.0934	5:00	0.01	0.0035	0.2587	:20	0.01	0.0084	0.4988
:35	0.06	0.0358	0.0950	:17	0.02	0.0137	0.0939	:01	0.01	0.0035	0.2588	:40	0.01	0.0084	0.5016
:38	0.05	0.0317	0.0967	:20	0.02	0.0109	0.0945	:03	0.01	0.0062	0.2589	2:00	0.01	0.0084	0.5044
:40	0.05	0.0286	0.0977	:24	0.01	0.0084	0.0951	:05	0.01	0.0084	0.2591	:11	0.01	0.0084	0.5059
:48	0.04	0.0241	0.1012	:32	0.01	0.0084	0.0962	:08	0.02	0.0109	0.2596	3:00	0.01	0.0084	0.5128
:55	0.04	0.0205	0.1038	:40	0.01	0.0073	0.0972	:20	0.02	0.0096	0.2616	:20	0.01	0.0073	0.5174
7:00	0.03	0.0176	0.1054	:50	0.01	0.0062	0.0983	:40	0.02	0.0109	0.2650	:40	0.01	0.0084	0.5180
:05	0.03	0.0176	0.1069	11:00	0.01	0.0052	0.0993	6:00	0.02	0.0096	0.2684	4:00	0.01	0.0084	0.5208
:10	0.03	0.0176	0.1084	:05	0.01	0.0043	0.0997	:10	0.01	0.0084	0.2699	:10	0.01	0.0084	0.5222
:20	0.02	0.0135	0.1110	:20	T	0.0035	0.1007	:12	0.02	0.0109	0.2702	:30	0.01	0.0062	0.5246
:30 <sup>3</sup>	0.02	0.0111	0.1130	:30	T	0.0019	0.1011	:17	0.02	0.0137	0.2712	5:00	0.01	0.0062	0.5267
:40 <sup>3</sup>	0.01	0.0082	0.1146	:40	T	0.0012	0.1014	:19	0.03	0.0176	0.2717	6:00	0.01	0.0043	0.5329
:52 <sup>3</sup>	0.01	0.0065	0.1161	:50	T	0	0.1015	:20	0.04	0.0239	0.2720	:45	0.01	0.0035	0.5355
8:00 <sup>3</sup>	0.01	0.0041	0.1168	12:00	0	0	0.1015	:21	0.11	0.0662	0.2728	7:00	0.01	0.0035	0.5362
:10 <sup>3</sup>	0.01	0.0035	0.1174					:22	0.17	0.0985	0.2742	8:00	T	0.0020	0.5385
:25 <sup>3</sup>	T	0.0012	0.1178					:23	0.18	0.106	0.2759	:07	T	0.0020	0.5387
:40 <sup>3</sup>	T	0	0.1180	Apr. 12-18	0	0	0	:25	0.23	0.137	0.2789	:12	0.01	0.0043	0.5389
9:00 <sup>3</sup>	0	0	0.1180	Apr. 19 <sup>6</sup>				:27	0.26	0.155	0.2847	:15	0.01	0.0084	0.5392
Mar. 19—				<i>p. m.</i>	0	0	0	:30	0.28	0.164	0.2927	:45	0.01	0.0084	0.5434
Apr. 10	0	0	0	7:50	0	0	0	:31	0.30	0.174	0.2956	9:00	0.01	0.0073	0.5454
Apr. 11 <sup>6</sup>				:55 <sup>3</sup>	T	T	0.0001	:33	0.37	0.214	0.3020	:15	0.01	0.0062	0.5471
2:55	0	0	0	8:00 <sup>3</sup>	T	0.0012	0.0001	:34	0.38	0.225	0.3057	10:00	0.01	0.0043	0.5510
3:00 <sup>3</sup>	T	T		:05 <sup>3</sup>	0.01	0.0041	0.0003	:36	0.40	0.236	0.3133	:45	0.01	0.0043	0.5542
:05 <sup>3</sup>	T	0.0012		:10 <sup>3</sup>	0.01	0.0082	0.0008	:37	0.37	0.214	0.3171	11:00	0.01	0.0038	0.5552
:10 <sup>3</sup>	0.01														



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time			Instantaneous rate of run-off	Accumulated run-off	Date and time			Instantaneous rate of run-off	Accumulated run-off	Date and time			Instantaneous rate of run-off	Accumulated run-off	Date and time			Instantaneous rate of run-off	Accumulated run-off
May 6 <sup>7</sup>					May 24 <sup>8</sup>					May 24 <sup>8</sup>					May 24 <sup>8</sup>				
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	
6:49	1.78	1.04	0.1367		3:56	0.01	0.0041	0.0019		9:27	0.09	0.0500	0.2354		3:25	0.14	0.0082	0.3916	
:50	1.69	.992	.1477		4:15	.01	.0035	.0032		:29	.09	.0552	.2371		4:00	.11	.0065	.3959	
:51	1.44	.845	.1630		5:38	.01	.0041	.0085		:31	.10	.0604	.2391		:35	.01	.0041	.3990	
:52	1.08	.634	.1753		:44	.01	.0041	.0089		:32	.10	.0604	.2401		5:00	.01	.0041	.4007	
:53	.78	.455	.1844		:51	.01	.0065	.0095		:36	.08	.0452	.2436		:30	.01	.0035	.4026	
:54	.57	.336	.1910		:55	.02	.0111	.0101		:38	.06	.0358	.2449		6:00	T	.0012	.4038	
:55	.44	.259	.1960		6:00	.02	.0111	.0110		:40	.05	.0317	.2460		:45	T		.4043	
:56	.37	.214	.2000		:02	.02	.0135	.0114		:42	.05	.0286	.2470		7:30	0	0	.4043	
:57	.28	.164	.2031		:03	.03	.0176	.0117		:45	.04	.0241	.2483						
:58	.23	.137	.2056		:09	.04	.0205	.0136		:47	.05	.0286	.2492		May 25-28	0	0	0	
:59	.17	.0986	.2075		:13	.03	.0176	.0149		:50	.06	.0358	.2508						
7:00	.13	.0786	.2090		:15	.04	.0205	.0155		:53	.07	.0405	.2527		May 29 <sup>9</sup>				
:01	.10	.0604	.2102		:18	.04	.0241	.0166		:56	.07	.0405	.2547		<i>p. m.</i>				
:02	.07	.0405	.2110		:24	.04	.0241	.0190		10:00	.05	.0317	.2571		6:28 <sup>3</sup>	0	0	0	
:03	.05	.0317	.2116		:25	.05	.0317	.0195		:05	.04	.0205	.2593		:29 <sup>3</sup>	.01	.0082	.0001	
:04	.04	.0241	.2121		:26	.08	.0452	.0201		:11	.03	.0176	.2612		:30 <sup>3</sup>	.04	.0241	.0004	
:06	.04	.0205	.2129		:27	.11	.0663	.0210		:12	.03	.0176	.2615		:31 <sup>3</sup>	.07	.0405	.0009	
:13	.04	.0205	.2154		:28	.15	.0851	.0223		:14	.04	.0205	.2622		:32	.12	.0722	.0018	
:14	.04	.0241	.2158		:29	.17	.0986	.0238		:18	.04	.0205	.2635		:33	.23	.137	.0035	
:15	.05	.0317	.2163		:30	.22	.129	.0257		:20	.03	.0176	.2642		:34	.50	.336	.0076	
:16	.05	.0317	.2168		:31	.23	.137	.0279		:24	.02	.0135	.2652		:35	.87	.471	.0144	
:17	.05	.0286	.2173		:32	.23	.137	.0303		:27	.02	.0111	.2658		:36	.78	.455	.0221	
:18	.05	.0317	.2178		:33	.19	.113	.0324		:40	.01	.0082	.2680		:37	.64	.318	.0292	
:19	.05	.0317	.2183		:34	.17	.0986	.0343		11:20	.01	.0082	.2734		:38	.46	.271	.0346	
:20	.06	.0358	.2189		:35	.13	.0786	.0358		:23	.02	.0111	.2739		:39	.31	.183	.0383	
:21	.09	.0452	.2196		:38	.11	.0663	.0385		:25	.03	.0176	.2744		:40	.21	.121	.0408	
:22	.09	.0552	.2205		:39	.12	.0722	.0405		:26	.06	.0358	.2749		:41	.15	.0851	.0425	
:23	.10	.0604	.2215		:40	.16	.0915	.0419		:27	.15	.0851	.2759		:42	.10	.0604	.0437	
:25	.09	.0500	.2133		:41	.23	.137	.0438		:28	.18	.106	.2775		:43	.09	.0500	.0446	
:27	.08	.0452	.2249		:42	.31	.183	.0465		:29	.19	.113	.2793		:44	.06	.0358	.0478	
:29	.07	.0405	.2263		:43	.10	.0663	.0502		:30	.18	.106	.2811		:45	.05	.0286	.0482	
:30	.05	.0317	.2269		:44	.48	.283	.0546		:32	.17	.0986	.2844		:46	.04	.0241	.0489	
:35 <sup>3</sup>	.04	.0241	.2292		:45	.55	.322	.0597		:34	.15	.0851	.2874		:47	.03	.0176	.0493	
:40 <sup>3</sup>	.03	.0176	.2309		:46	.57	.336	.0653		:35	.13	.0786	.2888		:48	.02	.0111	.0496	
:45 <sup>3</sup>	.02	.0111	.2321		:47	.55	.322	.0709		:37	.12	.0722	.2913		:49	.01	.0082	.0498	
:50 <sup>3</sup>	.01	.0082	.2329		:48	.53	.309	.0762		:39	.11	.0663	.2936		7:00 <sup>3</sup>	.01	.0041	.0502	
:55 <sup>3</sup>	.01	.0041	.2334		:49	.46	.271	.0811		:41	.12	.0722	.2959		:18 <sup>3</sup>	T		.0511	
8:00 <sup>3</sup>	.01	.0035	.2337		:50	.40	.236	.0855		:42	.15	.0851	.2972		:30 <sup>3</sup>	T		.0512	
:05 <sup>3</sup>	T	.0012	.2339		:51	.37	.214	.0892		:44	.17	.0986	.3003		8:00 <sup>3</sup>	0	0	.0512	
:10 <sup>3</sup>	T		.2340		:53	.33	.193	.0959		:46	.19	.113	.3038						
:15 <sup>3</sup>	0	0	.2340		:55	.30	.174	.1020		:48	.22	.129	.3078						
					:56	.28	.164	.1049		:49	.23	.137	.3100						
May 7-14	0	0	0		:58	.25	.146	.1101		:50	.26	.155	.3124						
					7:00	.22	.129	.1147		:51	.26	.155	.3150						
May 15 <sup>8</sup>					:02	.18	.106	.1186		:52	.25	.146	.3175		9:30 <sup>3</sup>	0	0	0	
<i>a. m.</i>					:04	.16	.0915	.1218		:53	.22	.129	.3198		:34	.01	.0041	.0001	
12:00	0	0	0		:06	.13	.0786	.1246		:55	.17	.0986	.3236		:40	.01	.0041	.0005	
					:08	.12	.0722	.1271		:56	.15	.0851	.3251		:41	.01	.0065	.0006	
<i>p. m.</i>					:10	.10	.0604	.1293		:57	.11	.0663	.3264		:42	.02	.0111	.0007	
12:20 <sup>3</sup>	T	T	.0001		:12	.09	.0552	.1313		:58	.10	.0604	.3275		:43	.03	.0176	.0010	
:35	T	.0012	.0001		:15	.08	.0452	.1338		12:00	.09	.0500	.3293		:44	.07	.0405	.0015	
:40	.01	.0035	.0003		:18	.06	.0358	.1358							:45	.12	.0722	.0024	
:45	.01	.0035	.0004		:21	.05	.0286	.1374							:46	.19	.113	.0039	
1:45	.01	.0035	.0041		:22	.04	.0241	.1378		12:02	.07	.0405	.3308		:47	.23	.137	.0060	
2:10	.01	.0041	.0057		:26	.04	.0205	.1393		:05	.05	.0317	.3326		:48	.26	.155	.0084	
:30	.01	.0041	.0071		:30	.03	.0176	.1406		:07	.04	.0241	.3335		:49	.28	.164	.0111	
:50	.01	.0035	.0084		:33	.02	.0135	.1414		:09	.04	.0205	.3342		:50	.28	.164	.0138	
3:20 <sup>3</sup>	T	.0012	.0096		:36	.02	.0111	.1420		:12	.03	.0176	.3352		:51	.25	.146	.0164	
:40 <sup>3</sup>	T		.0098		:45	.01	.0082	.1435		:15	.02	.0135	.3360		:52	.21	.121	.0186	
4:00	0	0	.0098		8:00	.01	.0065	.1450		:20	.02	.0111	.3370		:53	.16	.0915	.0205	
					:40	.01	.0065	.1494		:25	.01	.0082	.3378		:54	.12	.0722	.0209	
May 16-18	0	0	0		:46	.01	.0082	.1501		1:00	.01	.0065	.3421		:55	.10	.0604	.0230	
					:52	.01	.0082	.1509		:45	.01	.0041	.3463		:56	.09	.0500	.0239	
May 19 <sup>8</sup>					:53	.04	.0205	.1511		:57	.01	.0041	.3471		:57	.07	.0405	.0246	
<i>p. m.</i>					:55	.04	.0205	.1518		:58	.02	.0111	.3472		:58	.05	.0317	.0252	
2:45	0	0	0		:56	.04	.0241	.1522		:59	.03	.0176	.3474		10:00	.04	.0205	.0261	
:49 <sup>3</sup>	T	T	.0002		:58	.05	.0317	.1531		2:00	.04	.0205	.3477		:02	.02	.0135	.0267	
:50 <sup>3</sup>	.01	.0035	.0002		9:00	.06	.0358	.1542		:01	.07	.0405	.3482		:05	.02	.0111	.0273	
:52	.01	.0065	.0006		:01	.07	.0405	.1548		:02	.13	.0786	.3492		:08	.01	.0082	.0278	
:56	.01	.0041	.0006		:02	.09	.0604	.1556		:03	.30	.174	.3513		:15	.01	.0065	.0290	
:59	.01	.0035	.0008		:03	.12	.0722	.1567		:04	.37	.214	.3545		:18	.01	.0065	.0295	
3:10	.01	.0035	.0014		:04	.16	.0915	.1581		:05	.35	.214	.3581		:23	.01	.0082	.0303	
:13	.01	.0041	.0016		:05	.25	.146	.1601		:06	.30	.174	.3613		:27	.01	.0065	.0308	
:15	.01	.0041	.0017		:06	.40	.236	.1633		:07	.25	.146	.3640		:30	.01	.0065	.0311	
:20 <sup>3</sup>	.01	.0035	.0020		:07	.60	.350	.1682		:08	.21	.121	.3662		:34	.01	.0082	.0316	
:30 <sup>3</sup>	T	.0012	.0024		:08	.78	.455	.1750		:09	.17	.0986	.3681		:36	.02	.0111	.0319	
:40 <sup>3</sup>	T		.0025		:09	.95	.558	.1834		:10	.15	.0851	.3696		:37	.04	.0205	.0322	
4:00	0	0	.0025		:10	.89	.522	.1924		:12	.13	.0786	.3723		:38	.05	.0317	.0326	
					:11	.75	.439	.2004		:13	.12	.0722	.3737		:39	.06	.0358	.0332	
May 20-23	0	0	0		:12	.60	.350	.2071		:14	.10	.0604	.3748		:41	.05	.0		



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
May 30 <sup>9</sup>	Second-feet Inches per hour	Inches	May 30 <sup>9</sup>	Second-feet Inches per hour	Inches	June 9 <sup>10</sup>	Second-feet Inches per hour	Inches	June 10 <sup>10</sup>	Second-feet Inches per hour	Inches
a. m.			p. m.			a. m.			p. m.		
1:09 <sup>3</sup>	0	0	4:20	0.01	0.0065	1:38	0.04	0.0241	3:00 <sup>3</sup>	0.01	0.0065
1:10 <sup>3</sup>	T	T	4:27	0.01	0.0082	4:00	0.03	0.0176	4:05	0.01	0.0082
1:11 <sup>3</sup>	T	0.0012	4:30	0.03	0.0176	4:02	0.02	0.0111	4:14	0.01	0.0082
1:13 <sup>3</sup>	0.01	0.0041	4:32	0.04	0.0241	4:04	0.01	0.0082	4:15	0.02	0.0111
1:14 <sup>3</sup>	0.02	0.0111	4:35	0.05	0.0317	4:06	0.01	0.0065	4:16	0.03	0.0176
1:15	0.05	0.0286	4:37	0.05	0.0317	4:50	0.01	0.0041	4:17	0.08	0.0452
1:16	0.11	0.0663	4:42	0.04	0.0241	5:54	0.01	0.0035	4:18	0.16	0.0915
1:17	0.26	0.155	4:44	0.04	0.0205	2:00	T	0.0012	4:19	0.28	0.164
1:18	0.42	0.247	4:50	0.03	0.0176	4:06	T	T	4:20	0.31	0.183
1:19	0.50	0.296	4:53	0.02	0.0135	4:15	0	0	4:21	0.30	0.174
2:00	0.55	0.322	4:56	0.03	0.0176				4:22	0.26	0.155
2:01	0.60	0.350	5:00	0.03	0.0176	p. m.			4:23	0.22	0.129
2:02	0.64	0.378	5:03	0.02	0.0135	3:54	0	0	4:24	0.18	0.106
2:03	0.70	0.408	5:08	0.02	0.0111	3:55	0.01	0.0035	4:25	0.16	0.0915
2:04	0.70	0.408	5:18	0.01	0.0082	3:56	0.01	0.0065	4:26	0.12	0.0722
2:05	0.62	0.364	5:21	0.02	0.0111	3:58	0.02	0.0111	4:27	0.10	0.0604
2:06	0.53	0.309	5:35	0.01	0.0082	4:00	0.04	0.0215	4:28	0.08	0.0452
2:07	0.44	0.259	5:50	0.01	0.0082	4:01	0.05	0.0317	4:29	0.06	0.0358
2:08	0.33	0.193	5:55	0.02	0.0111	4:02	0.12	0.0722	4:30	0.05	0.0317
2:09	0.25	0.146	5:59	0.03	0.0176	4:03	0.17	0.0986	4:31	0.05	0.0286
2:30	0.18	0.106	6:00	0.03	0.0176	4:04	0.17	0.0986	4:33	0.04	0.0241
2:31	0.13	0.0786	6:05	0.02	0.0135	4:05	0.15	0.0851	4:35	0.03	0.0176
2:32	0.10	0.0604	6:11	0.02	0.0111	4:06	0.12	0.0722	4:37	0.02	0.0135
2:33	0.09	0.0500	6:20	0.01	0.0082	4:07	0.10	0.0604	4:40	0.02	0.0111
2:34	0.07	0.0405	6:30	0.01	0.0065	4:08	0.09	0.0500	4:43	0.01	0.0082
2:35	0.05	0.0317	6:45	0.01	0.0041	4:09	0.07	0.0405	4:50	0.01	0.0065
2:37	0.04	0.0205	7:00	0.01	0.0035	4:10	0.05	0.0317	4:55	0.01	0.0041
2:39	0.02	0.0135	8:00	T	0.0012	4:12	0.04	0.0241	4:00	0.01	0.0035
4:41	0.02	0.0135	8:00	T	0.0012	4:14	0.03	0.0176	4:10	T	0.0012
4:45	0.02	0.0111	10:00	0	0	4:15	0.02	0.0135	4:20	T	0.0012
4:47	0.02	0.0111				4:17	0.02	0.0135	5:05	0	0
4:51	0.02	0.0135	May 31-			4:19	0.01	0.0082			
5:02	0.04	0.0205	June 7	0	0	4:22	0.01	0.0065	June 11 <sup>11</sup>		
5:03	0.06	0.0358	June 8 <sup>10</sup>			4:25	0.01	0.0041	p. m.		
5:04	0.09	0.0552	p. m.			4:30	0.01	0.0035	12:20	0	0
5:05	0.15	0.0851	2:44	0	0	4:35	T	0.0012	2:21	T	0.0012
5:06	0.16	0.0915	4:45 <sup>3</sup>	0.01	0.0012	5:00	0	0	2:22	0.01	0.0035
5:08	0.18	0.106	4:46 <sup>3</sup>	0.01	0.0035				2:23	0.01	0.0065
5:09	0.19	0.113	4:47 <sup>3</sup>	0.01	0.0082	June 10 <sup>10</sup>			2:25	0.01	0.0065
2:00	0.23	0.137	4:48	0.02	0.0111	p. m.			2:27	0.01	0.0082
2:01	0.25	0.146	4:49	0.02	0.0111	1:09	0	0	2:28	0.02	0.0135
2:02	0.23	0.137	4:50	0.01	0.0082	1:10	T	T	3:00	0.02	0.0135
2:03	0.21	0.121	4:51	0.04	0.0241	1:11	T	0.0012	3:02	0.01	0.0111
2:04	0.17	0.0986	4:52	0.06	0.0358	1:13	0.01	0.0041	3:06	0.01	0.0065
2:05	0.13	0.0786	4:54	0.04	0.0241	1:15	0.01	0.0065	3:07	0.01	0.0041
2:06	0.10	0.0604	4:55	0.04	0.0205	1:16	0.02	0.0111	3:08	0.01	0.0035
2:08	0.07	0.0405	4:56	0.02	0.0135	1:18	0.03	0.0176	3:09	0.01	0.0065
2:10	0.05	0.0317	4:57	0.02	0.0111	1:19	0.05	0.0317	3:11	0.02	0.0111
2:13	0.04	0.0205	4:58	0.01	0.0065	2:00	0.11	0.0663	3:12	0.04	0.0205
2:14	0.04	0.0205	4:59	0.01	0.0035	2:01	0.16	0.0925	3:13	0.11	0.0663
2:15	0.03	0.0176	5:00	0.01	0.0035	2:02	0.22	0.129	3:14	0.31	0.184
2:20	0.02	0.0111	5:03	0.01	0.0035	2:03	0.38	0.225	3:15	0.64	0.378
2:25	0.01	0.0065	5:04	T	0.0012	2:04	0.78	0.455	3:16	0.95	0.559
2:29	0.01	0.0041	5:05	T	0.0012	2:05	1.48	0.864	3:17	1.22	0.716
2:33	0.01	0.0035	5:06	0	0	2:06	2.20	1.29	3:18	1.37	0.804
4:40	T	0.0012	5:07	0	0	2:07	2.68	1.57	3:19	1.29	0.757
5:04	T	0.0012	5:08	0	0	2:08	2.85	1.67	3:20	1.15	0.675
3:00	0	0	5:09	0	0	2:09	2.62	1.54	3:21	0.89	0.523
7:30 <sup>3</sup>	0	0	5:10	0	0	2:10	2.25	1.32	3:22	0.70	0.408
8:00 <sup>3</sup>	T	T	5:11	0.01	0.0035	2:11	1.82	1.07	3:23	0.50	0.296
1:15 <sup>3</sup>	T	0.0012	5:12	0.04	0.0205	2:12	1.56	0.915	3:24	0.35	0.204
3:03	0.01	0.0035	5:13	0.04	0.0241	2:13	1.48	0.864	3:25	0.23	0.138
4:05	0.01	0.0041	5:14	0.04	0.0205	2:14	1.73	1.02	3:26	0.18	0.0986
9:00	0.01	0.0065	5:15	0.02	0.0135	2:15	2.10	1.23	3:27	0.12	0.0722
1:05	0.01	0.0082	5:16	0.01	0.0082	2:16	2.41	1.41	3:28	0.10	0.0604
1:10	0.02	0.0111	5:17	0.01	0.0065	2:17	2.41	1.41	3:29	0.09	0.0506
1:12	0.02	0.0135	5:18	0.01	0.0041	2:18	2.20	1.29	3:30	0.06	0.0358
1:15	0.02	0.0135	5:19	0.01	0.0035	2:19	1.80	1.09	3:31	0.05	0.0276
2:00	0.02	0.0111	5:20	T	0.0012	2:20	1.65	0.968	3:32	0.04	0.0241
2:05	0.01	0.0082	5:21	T	0.0044	2:21	1.29	0.757	3:33	0.04	0.0205
3:03	0.01	0.0065	5:22	0	0	2:22	0.95	0.558	3:34	0.03	0.0176
3:05	0.01	0.0041	5:23	0	0	2:23	0.70	0.408	3:35	0.02	0.0111
4:33	0.01	0.0035	5:24	0	0	2:24	0.48	0.283	3:36	0.01	0.0082
5:03	T	0.0012	5:25	0	0	2:25	0.31	0.183	3:37	0.01	0.0065
5:05	T	0.0012	5:26	0	0	2:26	0.23	0.137	3:38	0.01	0.0041
10:00	0	0	5:27	0.01	0.0035	2:27	0.17	0.0986	3:39	0.01	0.0035
p. m.			5:28	0.02	0.0135	2:28	0.12	0.0722	3:40	T	0.0012
2:55 <sup>3</sup>	0	0	5:29	0.05	0.0317	2:29	0.09	0.0552	3:41	T	T
3:02 <sup>3</sup>	T	T	5:30	0.08	0.0452	2:30	0.08	0.0452	3:42	T	T
0:53	T	0.0012	5:31	0.18	0.106	2:31	0.06	0.0358	3:43	0	0
1:10	0.01	0.0035	5:32	0.23	0.138	2:32	0.04	0.0241	3:44	0.02	0.0111
1:15	0.01	0.0041	5:33	0.22	0.129	2:33	0.03	0.0176	3:45	0.01	0.0082
2:00	0.01	0.0082	5:34	0.18	0.106	2:34	0.02	0.0135	3:46	0.01	0.0065
2:23	0.02	0.0111	5:35	0.13	0.0786	2:35	0.02	0.0111	3:47	0.02	0.0111
2:27	0.02	0.0082	5:36	0.10	0.0604	2:36	0.01	0.0082	3:48	0.01	0.0082
3:35	0.01	0.0065	5:37	0.09	0.0506	2:37	0.01	0.0065	3:49	0.02	0.0111
4:00	0.01	0.0065	5:38	0.06	0.0358	2:38	0.01	0.0041	3:50	0.02	0.0135
						2:39	0.01	0.0041	3:51	0.04	0.0241

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.

<sup>9</sup> Total rainfall for storm of May 29, 0.31 inch and May 30, 0.92 inch. Total soil loss in run-off water for these storms 0.125 ton per acre. Wheat 17 inches, clover and grass 2 inches, weeds 2 inches high. Soil dry and loose.

<sup>10</sup> Total rainfall for storm of June 8, 0.25 inch; June 9, 0.32 inch; and June 10, 0.89

inch. Total soil loss in run-off water for these storms 0.135 ton per acre. Wheat 24

to 26 inches, clover and grass 2½ inches, weeds 2½ inches high. Soil dry and soft.

<sup>11</sup> Total rainfall for storm of June 11, 0.41 inch and June 12, 0.38 inch. Total soil loss in run-off water for these storms 0.039 ton per acre. Wheat 27 inches, clover and

grass 2½ inches, weeds 2½ inches high. Soil moist and soft.



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 11 <sup>11</sup>				June 12 <sup>12</sup>				June 18 <sup>13</sup>				June 23 <sup>14</sup>			
p. m.				p. m.				p. m.				p. m.			
3:54	0.04	0.0205	0.0017	9:38	0.02	0.0135	0.1139	4:05	1.78	1.04	0.5090	10:05	0.04	0.0205	0.3326
:56	.03	.0176	.0023	:41	.01	.0082	.1144	:06	1.33	.780	.5242	:07	.03	.0176	.3332
:58	.02	.0135	.0028	:46	.01	.0065	.1150	:07	.98	.576	.5355	:10	.02	.0135	.3340
4:00	.02	.0111	.0032	:50 <sup>3</sup>	.01	.0041	.1154	:08	.72	.423	.5438	:15	.02	.0111	.3350
:02	.01	.0082	.0035	:58 <sup>3</sup>	.01	.0035	.1159	:09	.53	.309	.5499	:20	.01	.0082	.3358
:05 <sup>3</sup>	.01	.0065	.0039	10:08 <sup>3</sup>	T	.0012	.1163	:10	.42	.247	.5545	:26 <sup>3</sup>	.01	.0065	.3365
:08 <sup>3</sup>	.01	.0041	.0042	:23 <sup>3</sup>	T	T	.1165	:11	.37	.214	.5583	:32 <sup>3</sup>	.01	.0041	.3370
:11 <sup>3</sup>	.01	.0035	.0044	:45	0	0		:12	.33	.193	.5617	:40 <sup>3</sup>	.01	.0035	.3375
:18 <sup>3</sup>	T	.0012	.0047					:13	.28	.164	.5647	:50 <sup>3</sup>	T	.0012	.3379
:23 <sup>3</sup>	T	T	.0048	June 13-17	0	0	0	:15	.30	.174	.5703	11:00 <sup>3</sup>	T	T	.3380
:30	0	0	.0048					:17	.26	.155	.5757	:15 <sup>3</sup>	T	T	
June 12 <sup>12</sup>				June 18 <sup>13</sup>				:18	.23	.137	.5781	:45 <sup>3</sup>	0	0	.3380
p. m.				a. m.				:19	.21	.121	.5802	June 24	0	0	0
12:14	0	0	0	7:51	0	0	0	:20	.18	.106	.5821	June 25 <sup>15</sup>			
:16	T	T	0	:54 <sup>3</sup>	T	T		:21	.15	.0851	.5837	p. m.			
:17	.01	.0035		:56 <sup>3</sup>	T	.0012		:22	.12	.0722	.5850	7:07	0	0	0
:18	.01	.0082	.0001	:58 <sup>3</sup>	.01	.0035	.0001	:23	.10	.0604	.5861	:08	T	.0012	
:19	.07	.0405	.0005	8:30	.01	.0041	.0023	:25	.09	.0500	.5878	:09	.01	.0065	.0001
:20	.28	.164	.0022	:45	.01	.0035	.0033	:26	.08	.0452	.5886	:10	.04	.0205	.0003
:21	.77	.439	.0072	9:00	.01	.0041	.0043	:27	.05	.0317	.5892	:11	.04	.0663	.0010
:22	1.68	.634	.0161	:43	.01	.0041	.0072	:30	.04	.0241	.5906	:12	.22	.129	.0026
:23	1.25	.734	.0271	:46	.01	.0065	.0075	:35	.02	.0135	.5922	:13	.44	.259	.0059
:24	1.36	.789	.0400	:52	.01	.0041	.0080	:40	.01	.0082	.5930	:14	.60	.350	.0111
:25	1.48	.864	.0540	10:05	.01	.0035	.0088	:45 <sup>3</sup>	.01	.0065	.5936	:15	.64	.378	.0173
:26	1.65	.968	.0693	:10	.01	.0035	.0091	5:00 <sup>3</sup>	T	T	.5946	:16	.64	.378	.0237
:27	1.69	.992	.0856	:17	.01	.0041	.0095	:15 <sup>3</sup>	0	0	.5950	:17	.57	.336	.0298
:28	1.60	.939	.1017	:30	.01	.0035	.0103	:45 <sup>3</sup>	0	0	.5950	:18	.48	.259	.0348
:29	1.40	.822	.1164	11:00	.01	.0041	.0122	June 19-22	0	0	0	:19	.37	.214	.0388
:30	1.15	.675	.1289	:15	.01	.0041	.0132	June 23 <sup>14</sup>				:20	.28	.164	.0420
:31	.86	.505	.1387	:16	.01	.0065	.0133	p. m.				:21	.22	.129	.0445
:32	.57	.336	.1457	:17	.02	.0111	.0134	8:27	0	0	0	:22	.17	.0986	.0464
:33	.38	.225	.1505	:18	.04	.0241	.0137	:28	.01	.0065	.0001	:23	.12	.0722	.0479
:34	.28	.164	.1538	:19	.09	.0552	.0144	:29	.05	.0317	.0004	:24	.09	.0552	.0490
:35	.21	.121	.1562	:20	.18	.106	.0157	:30	.25	.146	.0019	:25	.08	.0452	.0498
:36	.17	.0986	.1580	:21	.31	.183	.0181	:31	.92	.540	.0076	:26	.06	.0358	.0505
:37	.13	.0786	.1595	:22	.35	.204	.0213	:32	2.05	1.20	.0221	:27	.05	.0286	.0510
:38	.11	.0663	.1607	:23	.31	.183	.0245	:33	3.03	1.78	.0471	:28	.04	.0205	.0514
:40	.09	.0552	.1627	:24	.26	.155	.0273	:34	3.73	2.19	.0801	:30	.03	.0176	.0520
:41	.08	.0452	.1635	:25	.21	.121	.0296	:35	3.87	2.27	.1180	:32	.02	.0135	.0525
:42	.07	.0405	.1642	:26	.16	.0915	.0314	:36	3.46	2.03	.1538	:35	.01	.0082	.0536
:44	.05	.0317	.1654	:27	.12	.0722	.0328	:37	2.91	1.71	.1850	:40	.01	.0065	.0538
:46	.04	.0241	.1663	:28	.10	.0604	.0339	:38	2.25	1.32	.2103	:45 <sup>3</sup>	.01	.0041	.0542
:48	.03	.0176	.1670	:29	.09	.0500	.0348	:39	1.65	.968	.2297	:50 <sup>3</sup>	T	.0035	.0545
:50	.02	.0135	.1675	:30	.07	.0405	.0356	:40	1.18	.692	.2430	:57 <sup>3</sup>	T	.0012	.0548
:52	.02	.0111	.1679	:31	.05	.0317	.0362	:41	.89	.522	.2533	8:05 <sup>3</sup>	T	T	.0549
:54	.01	.0082	.1682	:32	.05	.0286	.0367	:42	.70	.408	.2611	:30 <sup>3</sup>	0	0	
1:00	.01	.0065	.1689	:33	.04	.0241	.0371	:43	.53	.309	.2671	June 26 <sup>15</sup>			
:05 <sup>3</sup>	.01	.0041	.1693	:35	.03	.0176	.0378	:44	.40	.236	.2717	p. m.			
:10 <sup>3</sup>	.01	.0035	.1696	:37 <sup>3</sup>	.02	.0133	.0383	:45	.31	.183	.2753	12:17	0	0	0
:20 <sup>3</sup>	T	.0012	.1700	:39 <sup>3</sup>	.02	.0111	.0387	:46	.25	.146	.2781	:19	T	.0012	
:30 <sup>3</sup>	T	T	.1701	:41 <sup>3</sup>	.01	.0082	.0390	:47	.19	.113	.2803	:20	.01	.0035	.0001
2:00 <sup>3</sup>	0	0	.1701	:43 <sup>3</sup>	.01	.0065	.0392	:48	.16	.0915	.2820	:22	.01	.0041	.0002
				:45 <sup>3</sup>	.01	.0041	.0394	:49	.13	.0786	.2834	:23	.01	.0082	.0002
				:48 <sup>3</sup>	.01	.0035	.0396	:50	.11	.0663	.2846	:24	.03	.0176	.0004
				:52 <sup>3</sup>	T	.0012	.0398	:52	.09	.0604	.2867	:25	.10	.0604	.0010
				:55 <sup>3</sup>	T	T		:54	.08	.0452	.2884	:26	.22	.129	.0026
								:56	.06	.0358	.2897	:27	.38	.225	.0056
								:58	.05	.0317	.2908	:28	.46	.271	.0098
								9:00	.05	.0286	.2918	:29	.44	.259	.0143
								:02	.04	.0214	.2926	:30	.35	.204	.0182
								:05	.04	.0205	.2937	:31	.26	.155	.0212
								:08	.04	.0205	.2947	:32	.19	.113	.0234
								:12	.04	.0214	.2961	:33	.15	.0851	.0251
								:16	.05	.0286	.2978	:34	.10	.0604	.0263
								:18	.06	.0358	.2989	:35	.09	.0500	.0272
								:20	.07	.0405	.3002	:36	.07	.0405	.0280
								:25	.06	.0358	.3034	:37	.05	.0317	.0286
								:28	.06	.0358	.3052	:38	.05	.0286	.0291
								:31	.07	.0405	.3064	:39	.04	.0241	.0295
								:33	.08	.0452	.3078	:40	.04	.0205	.0299
								:35	.09	.0500	.3094	:41	.03	.0176	.0302
								:37	.09	.0552	.3111	:43	.02	.0135	.0307
								:38	.10	.0604	.3121	:45	.02	.0111	.0311
								:42	.11	.0633	.3162	:47	.01	.0082	.0314
								:45	.11	.0633	.3194	:50 <sup>3</sup>	.01	.0065	.0318
								:48	.09	.0552	.3224	:55 <sup>3</sup>	.01	.0041	.0322
								:49	.09	.0500	.3233	1:00 <sup>3</sup>	.01	.0035	.0325
								:51	.08	.0452	.3249	:05 <sup>3</sup>	T	.0012	.0327
								:53	.07	.0405	.3263	:15 <sup>3</sup>	T	T	.0328
								:55	.06	.0358	.3276	:30 <sup>3</sup>	0	0	
								:59	.05	.0317	.3299				
								10:00	.05	.0317	.3304				
								:02	.05	.0286	.3314				

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.<sup>11</sup> Total rainfall for storm of June 11, 0.41 inch and June 12, 0.38 inch. Total soil loss in run-off water for these storms 0.039 ton per acre. Wheat 27 inches, clover and grass 2½ inches, weeds 2½ inches high. Soil moist and soft.<sup>12</sup> Total rainfall for storm of June 12, 0.26 inch. Total soil loss in run-off water 0.109 ton per acre. Wheat 28 inches, clover and grass 2½ inches, weeds 2½ inches high. Soil moist and soft.<sup>13</sup> Total rainfall for storms of June 18, 0.45 inch and 1.09 inches. Total soil loss in

run-off water for these storms 0.298 ton per acre. Wheat 35 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.

<sup>14</sup> Total rainfall for storm of June 23, 0.95 inch. Total soil loss in run-off water 0.135 ton per acre. Wheat 36 inches, clover and grass 4 inches, weeds 4 inches high. Soil moist and soft.<sup>15</sup> Total rainfall for storm of June 25, 0.24 inch and June 26, 0.14 inch. Total soil loss in run-off water for these storms 0.022 ton per acre. Wheat 36 inches, clover and grass 4 inches, weeds 4 inches high. Soil moist and soft.



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 27-----	0	0	0	June 28 <sup>16</sup>				June 30 <sup>17</sup>				July 1			
June 28 <sup>16</sup>				a. m.				p. m.				a. m.			
7:45-----	0	0	0	9:30-----	0.18	0.106	1.1624	10:52-----	0.06	0.0500	0.0183	2:14-----	0.01	0.0082	0.1983
:46-----	.04	.0205	.0002	:31-----	.17	.0986	1.1641	:53-----	.11	.0663	0.0193	:15-----	.02	.0111	.1985
:47-----	.22	.129	.0014	:33-----	.16	.0915	1.1672	:54-----	.15	.0851	0.0206	:16-----	.02	.0135	.1987
:48-----	1.22	.716	.0085	:35-----	.15	.0851	1.1701	:55-----	.17	.0986	0.0222	:17-----	.03	.0176	.1990
:49-----	2.98	1.75	.0290	:37-----	.16	.0915	1.1730	:56-----	.18	.106	.0239	:18-----	.04	.0205	.1993
:50-----	4.78	2.81	.0670	:39-----	.17	.0986	1.1761	:58-----	.19	.113	.0275	:19-----	.04	.0241	.1997
:51-----	6.33	3.71	.1213	:40-----	.17	.0986	1.1778	11:00-----	.18	.106	.0311	:21-----	.04	.0241	.2005
:52-----	5.96	3.50	.1813	:41-----	.16	.0915	1.1794	:01-----	.17	.0986	.0328	:23-----	.04	.0205	.2012
:53-----	4.62	2.71	.2329	:43-----	.15	.0851	1.1823	:04-----	.15	.0851	.0374	:26-----	.03	.0176	.2022
:54-----	3.41	2.00	.2721	:45-----	.12	.0722	1.1849	:05-----	.13	.0786	.0388	:28-----	.02	.0135	.2027
:55-----	2.69	1.58	.3019	:47-----	.10	.0604	1.1871	:07-----	.15	.0851	.0415	:30-----	.02	.0111	.2031
:56-----	2.52	1.48	.3274	:48-----	.09	.0500	1.1880	:08-----	.16	.0915	.0430	:35-----	.01	.0082	.2036
:57-----	2.58	1.51	.3524	:50-----	.08	.0452	1.1896	:10-----	.18	.106	.0463	:40-----	.01	.0065	.2042
:58-----	2.69	1.58	.3780	:51-----	.07	.0405	1.1903	:11-----	.21	.121	.0483	:45-----	.01	.0041	.2046
:59-----	2.58	1.51	.4038	:54-----	.06	.0358	1.1922	:12-----	.21	.121	.0503	:50-----	.01	.0035	.2049
8:00-----	2.21	1.30	.4270	:57-----	.06	.0358	1.1940	:13-----	.18	.106	.0523	:55-----	T	.0012	.2051
:01-----	1.74	1.02	.4463	:58-----	.07	.0405	1.1946	:14-----	.16	.0915	.0540	3:05-----	T	.2052	
:02-----	1.19	.698	.4609	:59-----	.08	.0452	1.1953	:15-----	.13	.0786	.0554	:30-----	0	0	.2052
:03-----	.92	.541	.4709	10:00-----	.09	.0552	1.1962	:16-----	.11	.0663	.0566				
:04-----	.67	.394	.4788	:01-----	.11	.0663	1.1972	:17-----	.09	.0552	.0576	July 2-10-----	0	0	0
:05-----	.51	.296	.4847	:02-----	.13	.0786	1.1984	:18-----	.09	.0500	.0585				
:06-----	.38	.225	.4891	:03-----	.16	.0915	1.1999	:20-----	.07	.0405	.0600	July 11 <sup>18</sup>			
:07-----	.33	.194	.4927	:05-----	.18	.106	1.2015	:22-----	.08	.0452	.0614	p. m.			
:08-----	.28	.164	.4957	:07-----	.19	.113	1.2034	:23-----	.10	.0604	.0623	5:07-----	0	0	0
:09-----	.26	.155	.4984	:10-----	.17	.0986	1.2071	:24-----	.13	.0786	.0635	:15-----	T	T	
:10-----	.26	.155	.5010	:11-----	.16	.0915	1.2124	:25-----	.21	.121	.0652	:16-----	T	T	
:11-----	.31	.184	.5039	:13-----	.13	.0786	1.2140	:26-----	.26	.155	.0675	:25-----	T	T	
:12-----	.46	.272	.5076	:14-----	.13	.0786	1.2183	:27-----	.30	.174	.0703	:28-----	T	.0012	
:13-----	.86	.506	.5134	:15-----	.11	.0663	1.2195	:29-----	.30	.174	.0751	:29-----	.01	.0041	
:14-----	1.74	1.02	.5284	:17-----	.09	.0552	1.2215	:33-----	.28	.164	.0874	:30-----	.01	.0082	.0001
:15-----	2.31	1.36	.5462	:19-----	.08	.0452	1.2232	:35-----	.28	.164	.0928	:31-----	.03	.0176	.0003
:16-----	2.47	1.45	.5695	:20-----	.06	.0358	1.2239	:40-----	.30	.174	.1068	:32-----	.09	.0500	.0009
:17-----	2.26	1.33	.5927	:21-----	.05	.0317	1.2245	:42-----	.28	.164	.1124	:33-----	.13	.0786	.0020
:18-----	1.87	1.10	.6128	:22-----	.05	.0276	1.2210	:43-----	.26	.155	.1151	:34-----	.17	.0986	.0035
:19-----	1.41	.827	.6288	:23-----	.04	.0241	1.2254	:45-----	.24	.138	.1199	:35-----	.18	.106	.0052
:20-----	1.02	.599	.6406	:25-----	.04	.0205	1.2261	:47-----	.21	.121	.1242	:36-----	.17	.0986	.0069
:21-----	.72	.424	.6493	:28-----	.03	.0176	1.2271	:48-----	.21	.121	.1263	:37-----	.16	.0915	.0085
:22-----	.48	.284	.6553	:30-----	.02	.0135	1.2276	:51-----	.22	.129	.1326	:38-----	.11	.0663	.0098
:23-----	.31	.184	.6593	:35 <sup>3</sup>	.02	.0111	1.2286	:53-----	.22	.129	.1369	:39-----	.10	.0604	.0108
:24-----	.24	.138	.6620	:40 <sup>3</sup>	.01	.0082	1.2294	:55-----	.21	.121	.1410	:40-----	.09	.0500	.0117
:25-----	.18	.106	.6641	:45 <sup>3</sup>	.01	.0065	1.2300	:56-----	.19	.113	.1430	:41-----	.07	.0405	.0124
:26-----	.15	.0851	.6657	:52 <sup>3</sup>	.01	.0041	1.2306	:57-----	.17	.0986	.1448	:42-----	.05	.0317	.0130
:27-----	.12	.0722	.6670	11:00 <sup>3</sup>	.01	.0035	1.2311	:58-----	.15	.0851	.1464	:43-----	.05	.0276	.0135
:28-----	.10	.0604	.6681	:15 <sup>3</sup>	T	.0012	1.2317	:59-----	.11	.0663	.1477	:44-----	.04	.0205	.0139
:29-----	.09	.0500	.6699	:30 <sup>3</sup>	T	T	1.2319	12:00-----	.10	.0604	.1488	:45-----	.03	.0176	.0142
:30-----	.07	.0405	.6714	:45 <sup>3</sup>	0	0	1.2319					:46-----	.02	.0135	.0145
:31-----	.05	.0317	.6726	June 29-----	0	0	0	July 1				:48-----	.01	.0082	.0149
:32-----	.04	.0241	.6735	June 30 <sup>17</sup>				a. m.				:50-----	.01	.0065	.0151
:33-----	.04	.0205	.6742	p. m.				12:02-----	.09	.0552	.1525	:53-----	.01	.0041	.0153
:34-----	.03	.0176	.6748	6:32-----	0	0	0	:03-----	.09	.0552	.1534	6:05-----	.01	.0035	.0160
:35-----	.02	.0135	.6761	:35-----	T	T		:04-----	.10	.0604	.1544	:45-----	.01	.0035	.0183
:36-----	.02	.0111	.6771	:38-----	T	.0012		:05-----	.11	.0663	.1555	:48-----	.01	.0041	.0185
:37-----	.01	.0082	.6781	:40-----	.01	.0035	.0001	:06-----	.12	.0722	.1567	:50-----	.01	.0041	.0186
:38-----	.02	.0111	.6783	:42-----	.01	.0041	.0002	:08-----	.15	.0851	.1593	7:00 <sup>3</sup>	.01	.0035	.0192
:39-----	.03	.0176	.6785	:45-----	.01	.0065	.0005	:09-----	.15	.0851	.1607	:10 <sup>3</sup>	T	.0012	.0196
:40-----	.07	.0405	.6790	:50-----	.01	.0065	.0010	:12-----	.11	.0663	.1645	:23 <sup>3</sup>	T	T	.0197
:41-----	.31	.184	.6809	:53-----	.01	.0041	.0013	:14-----	.09	.0552	.1665	:45 <sup>3</sup>	0	0	.0197
:42-----	1.19	.698	.6884	:55 <sup>3</sup>	.01	.0035	.0015	:16-----	.08	.0452	.1682				
:43-----	2.41	1.41	.7061	7:00 <sup>3</sup>	T	.0012	.0017	:18-----	.06	.0358	.1695	July 12-21-----	0	0	0
:44-----	3.22	1.89	.7336	:05 <sup>3</sup>	T	.0018	.0018	:20-----	.05	.0317	.1706	July 22 <sup>18</sup>			
:45-----	3.54	2.08	.7668	:15 <sup>3</sup>	0	0	.0018	:22-----	.05	.0276	.1716	p. m.			
:46-----	3.48	2.04	.8012	9:59-----	0	0	0	:25-----	.04	.0205	.1728	2:54-----	0	0	0
:47-----	3.10	1.82	.8332	10:01-----	T	T		:27-----	.03	.0176	.1734	3:00-----	T	T	
:48-----	2.69	1.58	.8616	:03-----	T	.0012		:30-----	.02	.0135	.1742	:03-----	T	.0012	
:49-----	2.31	1.36	.8861	:05-----	.01	.0035	.0001	:33-----	.02	.0111	.1748	:04-----	.01	.0035	.0001
:50-----	2.01	1.18	.9073	:08-----	.01	.0041	.0003	:40-----	.01	.0082	.1759	:05-----	.01	.0041	.0002
:51-----	2.06	1.21	.9273	:15-----	.01	.0065	.0009	:47-----	.01	.0082	.1769	:08-----	.01	.0065	.0003
:52-----	2.41	1.41	.9491	:25-----	.01	.0041	.0018	:50-----	.02	.0111	.1774	:10-----	.01	.0041	.0005
:53-----	2.92	1.71	.9751	:30-----	.01	.0041	.0021	:51-----	.02	.0135	.1776	:09-----	.01	.0065	.0006
:54-----	3.16	1.85	1.0049	:31-----	.01	.0065	.0022	:52-----	.04	.0205	.1779	:10-----	.02	.0111	.0007
:55-----	3.86	1.68	1.0343	:32-----	.01	.0082	.0023	:53-----	.15	.0851	.1788	:11-----	.04	.0205	.0010
:56-----	2.31	1.30	1.0597	:33-----	.02	.0111	.0025	:54-----	.08	.0452	.1799	:12-----	.17	.0986	.0020
:57-----	1.74	1.02	1.0795	:34-----	.04	.0205	.0028	:55-----	.10	.0604	.1808	:13-----	.40	.236	.0048
:58-----	1.19	.698	1.0938	:35-----	.05	.0276	.0032	:58-----	.11	.0663	.1829	:14-----	.57	.336	.0097
:59-----	.89	.523	1.1039	:36-----	.05	.0317	.0037	1:00-----	.10	.0604	.1840	:15-----	.75	.440	.0163
:00-----	.75	.440	1.1119	:37-----	.09	.0552	.0044	:01-----	.09	.0500	.1861	:16-----	.86	.506	.0243
:01-----	.67	.394	1.1189	:38-----	.12	.0722	.0055	:03-----	.07	.0405	.1885	:17-----	1.08	.634	.0340
:02-----	.72	.424	1.1257	:39-----	.15	.0851	.0068	:05-----	.06	.0358	.1898	:18-----	1.29	.757	.0450
:03-----	.70	.408	1.1327	:40-----	.15	.0851	.0082	:07-----	.05	.0276	.1908	:19-----	1.45	.851	.0595
:04-----	.62	.364	1.1391	:41-----	.12	.0722	.0095	:08-----	.04	.0241	.1912	:20-----	1.53	.898	.0744
:05-----	.51	.296	1.1446	:43-----	.10	.0604	.0117	:09-----	.04	.0205	.1914	:21-----	1.61	.945	.0901
:06-----	.40	.236	1.1491	:45-----	.09	.0500	.0135	:11-----	.03	.0176	.1920	:22-----	1.53	.898	.1058
:07-----	.33	.194	1.1528	:46-----	.08	.0452	.0143	:13-----	.02	.0135	.1928	:23-----	1.33	.780	.1201
:08-----	.28	.164	1.1558	:47-----	.07	.0405	.0150	:14-----	.02	.0111	.1932	:24-----	1.12	.657	.1323
:09-----	.24	.138	1.1584	:48-----	.06	.0358	.0156	:16-----	.01	.0082	.1938	:25-----	.92	.541	.1425
:10-----	.19	.113	1.1605	:49-----	.06	.0358	.0162	:20-----	.01	.0065	.1950	:26-----	.75	.440	.1508
				:50-----	.07	.0405	.0168	:45-----	.01	.0041	.1963	:27-----	.60	.350	.1575
								2:13-----	.01	.0041	.1982	:28-----	.44	.259	.1627
												:29-----	.33	.194	.1662

<sup>16</sup> Total rainfall for storm of June 28, 1.89 inches. Total soil loss in run-off water 0.541 ton per acre. Wheat 36 inches, clover and grass 4 inches, weeds 4 inches high. Soil moist and soft.

water for these storms 0.015 ton per acre. Wheat 37 inches, clover and grass 4 inches, weeds 4 inches high. Soil moist and soft.

<sup>18</sup> Total rainfall for storm of July 11, 0.46 inch and July 22, 0.93 inch. Total soil loss in run-off water for these storms 0.167 ton per acre. Wheat 38 inches, harvested July 12, clover and grass 4 inches, weeds 4 inches high. Soil moist and soft.



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
July 22 <sup>15</sup>				July 23 <sup>19</sup>				July 26 <sup>21</sup>				Aug. 14 <sup>22</sup>			
p. m.				p. m.				p. m.				p. m.			
3:30	0.26	0.155	0.1895	7:40	0.01	0.0082	0.0001	7:50	0	0	0	2:16	1.83	1.07	0.2490
3:31	.22	.129	.1719	7:41	.44	.259	.0023	7:54	T	T	T	2:17	.17	.149	.874
3:32	.16	.106	.1739	7:42	1.61	.945	.0125	7:55	T	.0012	.0001	2:18	1.15	.675	.2787
3:33	.16	.0915	.1756	7:43	2.92	1.71	.0351	7:56	.01	.0065	.0003	2:19	.89	.523	.2889
3:34	.12	.0722	.1770	7:44	4.70	3.40	.0731	7:57	.04	.0205	.0003	2:20	.65	.378	.2966
3:35	.10	.0604	.1781	7:45	5.79	3.40	.1255	7:58	.11	.0663	.0004	2:21	.46	.272	.3021
3:36	.09	.0500	.1790	7:46	6.05	3.55	.1836	7:59	.25	.146	.0006	2:22	.37	.214	.3062
3:37	.07	.0405	.1798	7:47	5.70	3.35	.2433	8:00	.44	.259	.0009	2:23	.28	.164	.3094
3:38	.06	.0338	.1804	7:48	5.18	3.04	.2976	8:01	.67	.394	.0015	2:24	.22	.129	.3119
3:40	.04	.0241	.1814	7:49	4.39	2.58	.3454	8:02	.92	.541	.0023	2:25	.19	.113	.3140
3:42	.03	.0176	.1821	7:50	3.82	2.24	.3864	8:03	1.12	.657	.0033	2:26	.17	.0986	.3158
3:44	.02	.0111	.1826	7:51	3.41	2.00	.4224	8:04	1.33	.780	.0045	2:27	.16	.0915	.3174
3:46	.01	.0065	.1829	7:52	2.92	1.71	.4540	8:05	1.49	.874	.0059	2:28	.17	.0986	.3190
3:48	.01	.0035	.1831	7:53	2.47	1.45	.4800	8:06	1.65	.965	.0075	2:29	.19	.113	.3208
3:50	T	.0012	.1832	7:54	2.00	1.21	.5026	8:08	1.83	1.07	.0411	2:30	.25	.146	.3230
4:00	0	0	.1833	7:55	1.69	.992	.5213	8:09	1.74	1.02	.0589	2:31	.30	.174	.3257
July 23 <sup>19</sup>				7:56	1.41	.827	.5368	8:10	1.61	.945	.0756	2:32	.37	.214	.3290
p. m.				7:57	1.15	.675	.5496	8:11	1.45	.851	.0909	2:33	.40	.236	.3328
12:18	0	0	0	7:58	.92	.541	.5599	8:12	1.22	.716	.1042	2:34	.40	.236	.3368
2:00	T	T	.0012	7:59	.78	.456	.5684	8:13	.95	.559	.1150	2:35	.37	.214	.3406
2:23	T	T	.0012	8:00	.65	.378	.5755	8:14	.78	.456	.1236	2:36	.31	.184	.3440
2:24	.06	.0358	.0003	8:01	.51	.296	.5812	8:15	.62	.364	.1306	2:37	.26	.155	.3469
2:25	.62	.364	.0037	8:02	.40	.236	.5857	8:16	.46	.272	.1366	2:38	.22	.129	.3493
2:26	1.22	.716	.0129	8:03	.33	.194	.5894	8:17	.35	.204	.1416	2:39	.18	.106	.3513
2:27	1.87	1.10	.0283	8:04	.26	.155	.5924	8:18	.28	.164	.1447	2:40	.15	.0851	.3529
2:28	1.49	.874	.0451	8:05	.22	.129	.5948	8:19	.22	.129	.1472	2:41	.12	.0722	.3542
2:29	1.33	.780	.0592	8:06	.17	.0986	.5967	8:20	.18	.106	.1493	2:42	.09	.0552	.3553
2:30	1.15	.675	.0716	8:07	.19	.113	.5985	8:21	.13	.0786	.1509	2:43	.07	.0405	.3561
2:31	.05	.559	.0821	8:08	.11	.0663	.6000	8:22	.10	.0604	.1521	2:44	.05	.0317	.3567
2:32	.75	.440	.0906	8:09	.09	.0500	.6010	8:23	.09	.0500	.1530	2:45	.04	.0241	.3572
2:33	.60	.350	.0973	8:10	.07	.0405	.6018	8:24	.07	.0405	.1538	2:46	.04	.0205	.3576
2:34	.44	.259	.1025	8:11	.06	.0358	.6024	8:25	.05	.0317	.1544	2:48	.02	.0135	.3582
2:35	.35	.204	.1064	8:12	.05	.0317	.6030	8:26	.05	.0276	.1549	2:50	.01	.0082	.3586
2:36	.26	.155	.1094	8:13	.04	.0241	.6039	8:28	.04	.0205	.1557	2:51	.01	.0041	.3591
2:37	.21	.121	.1117	8:14	.03	.0176	.6046	8:29	.03	.0176	.1560	2:55	T	.0012	.3593
2:38	.16	.0915	.1135	8:15	.02	.0111	.6051	8:31	.02	.0135	.1565	3:02	T	T	.3594
2:39	.11	.0663	.1148	8:16	.01	.0082	.6054	8:33	.02	.0111	.1569	4:00	0	0	.3594
2:40	.09	.0500	.1158	8:17	.01	.0065	.6056	8:35	.01	.0082	.1574				
2:41	.07	.0405	.1166	8:18	.01	.0041	.6058	8:37	.01	.0065	.1576	Aug. 15-17	0	0	0
2:42	.05	.0317	.1172	8:19	T	.0012	.6063	8:39	.01	.0041	.1579	Aug. 18 <sup>23</sup>			
2:43	.04	.0241	.1177	8:20	T	T	.6064	8:43	T	.0012	.1582	p. m.			
2:44	.04	.0205	.1181	8:21	0	0	.6064	8:45	T	0	.1586	6:09	0	0	0
2:46	.02	.0135	.1187	8:22					0	0		7:10	T	T	.0001
2:48	.01	.0082	.1191	8:23				July 27				7:11	.01	.0065	.0003
2:50	.01	.0041	.1193	8:24				p. m.				7:12	.03	.0176	.0003
2:53	.01	.0035	.1195	8:25				6:14	0	0	0	7:13	.01	.0452	.0008
1:00	T	T	.1200	8:26				7:16	T	T	T	7:14	.17	.0986	.0020
1:15	T	T	.1200	8:27				7:17	T	T	T	7:15	.46	.272	.0051
4:00	0	0	.1200	8:28				7:18	T	.0012	.0001	7:16	1.29	.757	.0138
5:02	0	0	0	8:29				7:19	.01	.0041	.0002	7:17	1.92	1.13	.0298
5:08	T	T	.0012	8:30				7:20	.01	.0065	.0002	7:18	2.16	1.27	.0502
5:09	T	T	.0012	8:31				7:22	.01	.0082	.0004	7:19	2.06	1.21	.0713
5:10	.24	.138	.0012	8:32				7:24	.01	.0065	.0006	7:20	1.78	1.05	.0908
5:11	.60	.350	.0053	8:33				7:25	.01	.0041	.0007	7:21	1.49	.874	.1068
5:12	.89	.523	.0123	8:34				7:27	.01	.0035	.0008	7:22	1.19	.698	.1202
5:13	1.08	.634	.0225	8:35				7:28	T	.0012	.0010	7:23	1.02	.599	.1312
5:14	1.02	.599	.0330	8:36				7:30	T	T	.0011	7:24	.89	.523	.1407
5:15	.89	.523	.0425	8:37				7:32	0	0	.0011	7:25	.86	.506	.1494
5:16	.75	.440	.0507	8:38				7:34	0	0	.0011	7:26	.86	.506	.1580
5:17	.60	.350	.0574	8:39				7:36	0	0	.0011	7:27	.92	.541	.1669
5:18	.44	.259	.0626	8:40				7:38	0	0	.0011	7:28	.98	.577	.1854
5:19	.33	.194	.0665	8:41				7:40	0	0	.0011	7:29	.92	.541	.1949
5:20	.25	.146	.0694	8:42				7:42	0	0	.0011	7:30	.86	.506	.2038
5:21	.19	.113	.0716	8:43				7:44	0	0	.0011	7:31	.78	.456	.2120
5:22	.15	.0851	.0733	8:44				7:46	0	0	.0011	7:32	.62	.364	.2190
5:23	.10	.0604	.0745	8:45				7:48	0	0	.0011	7:33	.51	.296	.2246
5:24	.09	.0500	.0754	8:46				7:50	0	0	.0011	7:34	.40	.236	.2291
5:25	.07	.0405	.0762	8:47				7:52	.15	.0851	.0007	7:35	.33	.194	.2328
5:26	.05	.0317	.0768	8:48				7:54	.60	.350	.0044	7:36	.26	.155	.2358
5:27	.04	.0241	.0773	8:49				7:56	.92	.541	.0120	7:37	.19	.113	.2381
5:28	.03	.0176	.0777	8:50				7:58	.11	.657	.0222	7:38	.16	.0915	.2398
5:30	.02	.0111	.0782	8:51				7:59	1.26	.739	.0341	7:39	.12	.0722	.2412
5:32	.01	.0082	.0785	8:52				8:00	1.37	.804	.0472	7:40	.09	.0552	.2423
5:35	.01	.0041	.0788	8:53				8:01	1.53	.898	.0617	7:41	.07	.0405	.2431
5:40	T	.0012	.0790	8:54				8:02	1.74	1.02	.0780	7:42	.05	.0317	.2437
5:50	T	T	.0791	8:55				8:03	2.16	1.27	.0975	7:43	.04	.0241	.2442
6:10	0	0	.0791	8:56				8:04	2.52	1.48	.1209	7:44	.04	.0205	.2446
7:35	0	0	0	8:57				8:05	2.86	1.68	.1478	7:45	.03	.0176	.2449
3:39	T	T	0	8:58				8:06	2.92	1.71	.1766	7:46	.02	.0111	.2451
				8:59				8:07	2.63	1.54	.2042	7:47	.01	.0082	.2453
				9:00				8:08	2.26	1.33	.2286	7:48	.01	.0065	.2454
				9:01				8:09				7:49	.01	.0041	.2456

<sup>15</sup> Total rainfall for storm of July 11, 0.46 inch and July 22, 0.93 inch. Total soil loss in run-off water for these storms 0.167 ton per acre. Wheat 38 inches, harvested July 12, clover and grass 4 inches, weeds 4 inches high. Soil moist and soft.

<sup>19</sup> Total rainfall for storm of July 23, 2.34 inches. Total soil loss in run-off water 0.472 ton per acre. Grass 5 inches, clover 5 inches, weeds 6 inches high. Soil moist and soft.

<sup>21</sup> Total rainfall for storm of July 24, 0.30 inch. Total soil loss in run-off water

0.059 ton per acre. Grass and clover 5 inches, weeds 6 inches high. Soil moist and soft.

<sup>22</sup> Total rainfall for storm of July 26, 0.57 inch. Total soil loss in run-off water 0.089 ton per acre. Grass and clover 5 inches, weeds 6 inches high. Soil dry and soft.

<sup>23</sup> Total rainfall for storm of Aug. 14, 0.55 inch. Total soil loss in run-off water 0.187 ton per acre. Grass and clover 6 inches, weeds 7 inches high. Soil dry and loose.

Total rainfall for storm of Aug. 18, 0.35 inch. Total soil loss in run-off water 0.051 ton per acre. Grass 6 inches, clover 7 inches, weeds 8 inches high. Soil dry and loose.



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Aug. 18 <sup>23</sup>				Aug. 27 <sup>24</sup>				Aug. 27 <sup>24</sup>				Aug. 27 <sup>24</sup>			
p. m.				a. m.				a. m.				a. m.			
6:53-----	0.01	0.0035	0.2457	1:10-----	0.16	0.0915	0.0735	9:36-----	0.38	0.225	0.0158	11:14-----	0.10	0.0604	0.9810
:57-----	T	.0012	.2459	:11-----	.12	.0722	.0750	:37-----	.48	.283	.0201	:16-----	.08	.0452	.9827
7:03-----	T	T	.2460	:12-----	.10	.0604	.0761	:38-----	.53	.309	.0251	:18-----	.06	.0358	.9840
:25-----	0	0	.2460	:13-----	.09	.0500	.0770	:39-----	.60	.350	.0307	:19-----	.05	.0276	.9845
Aug. 19-24	0	0	0	:14-----	.06	.0358	.0777	:40-----	.70	.408	.0371	:20-----	.04	.0241	.9849
Aug. 25 <sup>24</sup>				:15-----	.05	.0317	.0783	:41-----	.83	.489	.0447	:22-----	.03	.0176	.9855
p. m.				:16-----	.04	.0241	.0788	:42-----	1.03	.616	.0541	:24-----	.02	.0111	.9860
11:07-----	0	0	0	:17-----	.04	.0205	.0792	:43-----	1.29	.757	.0658	:26-----	.01	.0082	.9863
:10-----	T	T		:18-----	.03	.0176	.0795	:44-----	1.52	.898	.0799	:28-----	.01	.0065	.9865
:13-----	T	.0012		:19-----	.02	.0135	.0798	:45-----	1.69	.992	.0960	:30-----	.01	.0041	.9867
:14-----	T	.0012		:20-----	.02	.0111	.0800	:46-----	1.69	.992	.1129	:33-----	.01	.0035	.9869
:19-----	T	T		:24-----	.02	.0111	.0807	:47-----	1.61	.945	.1294	:37-----	T	.0012	.9871
:20-----	.03	.0176	.0001	:25-----	.02	.0135	.0809	:48-----	1.49	.874	.1448	:45-----	T	T	.9872
:21-----	.04	.0241	.0004	:26-----	.04	.0205	.0812	:49-----	1.33	.780	.1589	12:00-----	0	0	.9872
:22-----	.04	.0241	.0008	:27-----	.05	.0276	.0816	:50-----	1.12	.657	.1711				
:23-----	.05	.0276	.0012	:28-----	.09	.0500	.0823	:51-----	.92	.541	.1813				
:24-----	.05	.0317	.0017	:29-----	.16	.0915	.0835	:52-----	.75	.440	.1896	p. m.			
:25-----	.05	.0276	.0022	:30-----	.25	.156	.0856	:53-----	.62	.364	.1964	5:43-----	0	0	0
:26-----	.04	.0241	.0026	:31-----	.33	.194	.0886	:54-----	.48	.284	.2019	:44-----	.01	.0065	.0001
:27-----	.04	.0205	.0030	:32-----	.37	.214	.0921	:55-----	.40	.236	.2064	:46-----	.01	.0082	.0003
:28-----	.03	.0176	.0033	:33-----	.37	.214	.0957	:56-----	.33	.194	.2101	:48-----	.01	.0082	.0006
:29-----	.02	.0111	.0035	:34-----	.35	.204	.0993	:57-----	.28	.164	.2131	:53-----	.01	.0065	.0012
:30-----	.01	.0082	.0037	:35-----	.31	.184	.1062	:58-----	.23	.138	.2157	:55-----	.01	.0041	.0014
:31-----	.01	.0065	.0038	:36-----	.26	.155	.1055	:59-----	.19	.113	.2178	6:00-----	.01	.0035	.0017
:32-----	.01	.0041	.0039	:37-----	.24	.138	.1080	10:00-----	.17	.0986	.2196	:05-----	T	.0012	.0019
:33-----	.01	.0041	.0039	:38-----	.21	.121	.1102	:01-----	.19	.113	.2214	:15-----	T	T	.0020
:34-----	.01	.0035	.0040	:39-----	.22	.129	.1123	:02-----	.26	.155	.2237	:25-----	0	0	.0020
:36-----	T	.0012	.0041	:40-----	.26	.155	.1147	:03-----	.42	.248	.2271				
:41-----	T	T		:41-----	.33	.194	.1177	:04-----	.67	.394	.2326	6:46-----	0	0	0
:50-----	0	0	.0041	:42-----	.42	.248	.1215	:05-----	1.22	.716	.2420		T	T	
				:43-----	.60	.350	.1266	:06-----	1.87	1.10	.2573	:55-----	.01	.0082	.0001
				:44-----	.75	.440	.1333	:07-----	2.41	1.41	.2785	:56-----	.04	.0241	.0004
				:45-----	.81	.472	.1411	:08-----	2.86	1.68	.3047	:57-----	.05	.0276	.0018
				:46-----	.81	.472	.1491	:09-----	3.10	1.82	.3345	:58-----	.06	.0358	.0013
				:47-----	.72	.424	.1567	:10-----	3.22	1.89	.3659	:59-----	.06	.0405	.0019
				:48-----	.65	.378	.1635	:11-----	3.22	1.89	.3980	7:00-----	.07	.0405	.0039
				:49-----	.55	.323	.1695	:12-----	3.16	1.85	.4298	:03-----	.06	.0358	.0058
				:50-----	.46	.272	.1745	:13-----	3.04	1.78	.4606	:06-----	.05	.0317	.0069
				:51-----	.38	.225	.1787	:14-----	2.92	1.71	.4902	:08-----	.05	.0276	.0084
				:52-----	.31	.184	.1822	:15-----	2.80	1.64	.5188	:11-----	.05	.0276	.0089
				:53-----	.26	.155	.1851	:16-----	2.74	1.61	.5463	:12-----	.05	.0317	.0099
				:54-----	.22	.129	.1875	:17-----	2.52	1.48	.5971	:14-----	.07	.0405	.0105
				:55-----	.18	.106	.1895	:18-----	2.36	1.39	.6214	:15-----	.08	.0452	.0112
				:56-----	.15	.0851	.1911	:19-----	2.11	1.24	.6437	:16-----	.09	.0500	.0120
				:57-----	.12	.0722	.1924	:20-----	1.92	1.13	.6638	:17-----	.10	.0604	.0129
				:58-----	.10	.0604	.1935	:21-----	1.65	.968	.6815	:18-----	.12	.0722	.0140
				:59-----	.09	.0500	.1944	:22-----	1.37	.804	.6955	:19-----	.13	.0786	.0153
				2:00-----	.07	.0405	.1952	:23-----	1.15	.675	.7091	:20-----	.15	.0851	.0180
				:01-----	.05	.0317	.1958	:24-----	.95	.559	.7196	:22-----	.15	.0851	.0194
				:02-----	.05	.0276	.1963	:25-----	.83	.489	.7285	:23-----	.13	.0786	.0249
				:04-----	.04	.0205	.1971	:26-----	.72	.424	.7363	:27-----	.15	.0851	.0290
				:06-----	.02	.0135	.1977	:28-----	.64	.378	.7431	:30-----	.17	.0986	.0320
				:08-----	.01	.0082	.1981	:29-----	.67	.394	.7497	:32-----	.18	.106	.0354
				:09-----	.01	.0065	.1982	:30-----	.72	.424	.7567	:34-----	.19	.113	.0390
				:11-----	.01	.0041	.1984	:31-----	.86	.506	.7646	:36-----	.18	.106	.0408
				:14-----	.01	.0035	.1986	:32-----	1.02	.599	.7740	:37-----	.17	.0986	.0442
				:18-----	T	.0012	.1988	:33-----	1.15	.675	.7848	:39-----	.16	.0915	.0458
				:25-----	T	T	.1989	:34-----	1.26	.739	.7968	:40-----	.15	.0851	.0473
				3:00-----	0	0	.1989	:35-----	1.33	.780	.8097	:41-----	.13	.0786	.0487
								:37-----	1.33	.780	.8355	:42-----	.10	.0604	.0510
								:38-----	1.29	.757	.8486	:44-----	.09	.0500	.0528
								:40-----	1.22	.716	.8728	:46-----	.07	.0405	.0543
								:42-----	1.08	.634	.8951	:48-----	.05	.0276	.0554
								:43-----	.98	.577	.9053	:50-----	.04	.0205	.0562
								:44-----	.86	.506	.9146	:52-----	.03	.0176	.0568
								:45-----	.78	.456	.9223	:54-----	.02	.0135	.0571
								:46-----	.67	.394	.9300	:55-----	.02	.0111	.0575
								:47-----	.57	.336	.9362	:57-----	.01	.0082	.0577
								:48-----	.48	.284	.9415	:58-----	.01	.0065	.0579
								:49-----	.44	.259	.9461	:00-----	.01	.0041	.0582
								:50-----	.37	.214	.9501	:01-----	.01	.0035	.0585
								:51-----	.31	.184	.9535	:03-----	T	.0012	.0587
								:52-----	.25	.146	.9563	:05-----	T	T	.0589
								:53-----	.21	.121	.9586	:07-----	T	T	
								:54-----	.17	.0986	.9605	:09-----	T	.0012	
								:55-----	.15	.0851	.9621	:11-----	.01	.0041	.0590
								:56-----	.12	.0722	.9634	:13-----	.04	.0205	.0592
								:57-----	.10	.0604	.9645	:15-----	.26	.155	.0607
								:58-----	.09	.0500	.9654	:17-----	.83	.489	.0662
								:59-----	.08	.0452	.9662	:19-----	1.36	.804	.0771
								11:00-----	.07	.0405	.9669	:21-----	1.96	1.15	.0937
								:02-----	.06	.0358	.9682	:23-----	2.41	1.41	.1155
								:04-----	.07	.0405	.9695	:25-----	2.63	1.54	.1400
								:05-----	.08	.0452	.9702	:27-----	2.74	1.61	.1662
								:06-----	.09	.0552	.9710	:29-----	2.52	1.48	.1919
								:07-----	.12	.0722	.9721	:31-----	2.21	1.30	.2151
								:08-----	.13	.0786	.9734	:33-----	1.78	1.05	.2346
								:09-----	.15	.0851	.9748	:35-----	1.41	.827	.2504
								:10-----	.15	.0851	.9762	:37-----	1.15	.675	.2631
								:12-----	.12	.0722	.9788	:39-----	.92	.541	.2734

<sup>23</sup> Total rainfall for storm of Aug. 18, 0.35 inch. Total soil loss in run-off water 0.051 ton per acre. Grass 6 inches, clover 7 inches, weeds 8 inches high. Soil dry and loose.

<sup>24</sup> Total rainfall for storm of Aug. 25, 0.28 inch, Aug. 26, 0.32 inch and Aug. 27, 2.26 inches (gauge at meteorological station). Total soil loss in run-off water for these storms 0.251 ton per acre. Grass 6 inches, clover 7 inches, weeds 8 inches high. Soil dry and loose.



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
Aug. 27 <sup>24</sup>					Aug. 29 <sup>25</sup>					Aug. 30 <sup>25</sup>					Aug. 30 <sup>25</sup>				
p. m.					p. m.					a. m.					p. m.				
8:55	0.75	0.440	0.2816		5:37	0.10	0.0604	0.0038		7:23	0.25	0.146	0.1210		12:55	0	0	0.2709	
56	.57	.336	.2881		5:40	.12	.0722	.0049		7:24	.24	.138	.1234						
57	.46	.272	.2933		5:41	.15	.0851	.0062		7:26	.21	.121	.1277		Aug. 31—				
58	.37	.214	.2974		5:42	.17	.0986	.0077		7:28	.18	.106	.1315		Sept. 7	0	0	0	
59	.31	.184	.3008		5:43	.18	.106	.0094		7:30	.17	.0986	.1349		Sept. 8 <sup>26</sup>				
9:00	.26	.155	.3038		5:44	.19	.113	.0112		7:31	.16	.0915	.1365						
101	.23	.138	.3062		5:45	.19	.113	.0131		7:33	.15	.0851	.1394		a. m.				
102	.21	.121	.3087		5:46	.18	.106	.0167		7:40	.15	.0851	.1494		8:22	0	0	0	
103	.18	.106	.3106		5:47	.16	.0915	.0200		7:43	.12	.0722	.1533		23	.01	.0035		
104	.17	.0986	.3123		5:49	.13	.0786	.0228		7:46	.10	.0604	.1566		25	.01	.0041	.0001	
105	.16	.0915	.3139		5:50	.12	.0722	.0241		7:49	.09	.0552	.1595		26	.01	.0082	.0002	
106	.15	.0851	.3154		5:52	.11	.0663	.0264		7:51	.10	.0604	.1614		28	.01	.0065	.0004	
108	.13	.0786	.3181		5:53	.11	.0663	.0275		7:53	.11	.0663	.1635		30	.01	.0041	.0006	
110	.12	.0722	.3206		5:54	.12	.0722	.0287		7:54	.16	.0663	.1646		32	.01	.0035	.0007	
112	.11	.0663	.3229		5:56	.13	.0786	.0302		7:55	.10	.0604	.1657		34	T	.0012	.0008	
115	.10	.0604	.3261		5:57	.13	.0786	.0322		7:57	.09	.0552	.1676		38	T	T		
118	.09	.0552	.3290		5:58	.12	.0722	.0337		8:00	.08	.0452	.1701		40	0	0	.0008	
120	.09	.0500	.3307		6:00	.11	.0663	.0360		8:02	.06	.0358	.1714						
123	.08	.0452	.3331		6:02	.09	.0552	.0380		8:04	.05	.0276	.1725		9:01	0	0	0	
125	.01	.0405	.3345		6:04	.08	.0452	.0397		8:08	.04	.0205	.1741		02	T	.0012		
127	.06	.0358	.3358		6:06	.06	.0358	.0411		8:12	.02	.0135	.1752		03	.01	.0035	.0001	
129	.05	.0276	.3369		6:08	.05	.0276	.0421		8:15	.02	.0111	.1758		04	.01	.0065	.0002	
131	.04	.0241	.3378		6:10	.04	.0205	.0429		8:17	.01	.0082	.1761		05	.01	.0082	.0003	
134	.03	.0176	.3388		6:12	.02	.0135	.0435		8:20	.01	.0065	.1765		06	.02	.0111	.0005	
136	.02	.0135	.3393		6:14	.02	.0111	.0439		8:24	.01	.0041	.1768		07	.02	.0135	.0007	
138	.02	.0111	.3397		6:16	.01	.0082	.0442		8:29	.01	.0035	.1771		10	.03	.0176	.0015	
140	.01	.0082	.3400		6:18	.01	.0065	.0444		8:39	T	.0012	.1775		14	.02	.0135	.0025	
142	.01	.0065	.3402		6:20	.01	.0041	.0446		8:45	T	.0012	.1776		17	.01	.0082	.0030	
144	.01	.0041	.3404		6:25	.01	.0035	.0449		9:15	T	T	.1779		20	.01	.0041	.0033	
148	.01	.0035	.3407		6:30	T	.0012	.0451		9:47	T	T			23	.01	.0035	.0035	
152	T	.0012	.3409		6:39	T	T	.0452		9:48	.01	.0041			26	T	.0012	.0036	
10:00	T	T	.3410		6:41	T	.0012			9:50	.01	.0082	.1780		30	T	T		
125	0	0	.3410		6:42	.01	.0035	.0453		9:52	.02	.0135	.1782		45	0	0		
Aug. 28	0	0	0		6:43	.01	.0065	.0454		9:53	.03	.0176	.1789						
					6:44	.03	.0176	.0456		9:54	.04	.0205	.1792		Sept. 9	0	0	0	
Aug. 29 <sup>25</sup>					6:45	.08	.0452	.0461		9:55	.05	.0377	.1801		Sept. 10 <sup>27</sup>				
p. m.					6:46	.13	.0786	.0471		9:57	.07	.0405	.1807		a. m.				
3:22	0	0	0		6:47	.19	.113	.0487		9:59	.08	.0452	.1821		1:52	0	0	0	
30	T	T			6:48	.24	.138	.0508		10:00	.07	.0405	.1828		55	T	.0012		
31	.02	.0135	.0001		6:49	.25	.146	.0532		10:03	.06	.0358	.1847		57	.01	.0065	.0001	
32	.06	.0358	.0005		6:50	.25	.146	.0557		10:05	.05	.0276	.1858		58	.01	.0082	.0002	
33	.16	.0915	.0016		6:51	.24	.138	.0581		10:08	.04	.0205	.1870		59	.02	.0111	.0004	
34	.37	.214	.0042		6:52	.21	.121	.0603		10:10	.03	.0176	.1876		2:00	.02	.0111	.0010	
35	.60	.350	.0090		6:54	.17	.0986	.0640		10:12	.04	.0205	.1882		03	.02	.0111	.0021	
36	.81	.475	.0160		6:56	.15	.0851	.0670		10:14	.05	.0276	.1890		10	.01	.0082	.0025	
37	.95	.559	.0248		6:58	.11	.0663	.0695		10:16	.07	.0405	.1901		13	.01	.0065	.0027	
38	.95	.559	.0343		7:00	.09	.0552	.0715		10:18	.09	.0552	.1917		15	.01	.0041	.0029	
39	.89	.523	.0435		7:02	.09	.0500	.0732		10:20	.12	.0722	.1938		18	.01	.0035	.0031	
40	.81	.472	.0519		7:05	.07	.0405	.0755		10:24	.12	.0722	.1966		23	T	.0012	.0032	
41	.70	.408	.0594		7:08	.05	.0317	.0773		10:27	.13	.0786	.2016		30	T	T		
42	.55	.323	.0656		7:10	.04	.0241	.0782		10:30	.16	.0915	.2059		50	0	0	.0032	
43	.44	.259	.0705		7:11	.04	.0205	.0786		10:32	.18	.106	.2092						
44	.33	.194	.0744		7:14	.02	.0135	.0795		10:33	.21	.121	.2111		Sept. 11—23	0	0	0	
45	.25	.146	.0773		7:15	.02	.0111	.0797		10:34	.22	.129	.2132		Sept. 24 <sup>28</sup>				
46	.19	.113	.0795		7:17	.01	.0082	.0800		10:36	.25	.146	.2177		p. m.				
47	.16	.0915	.0812		7:19	.01	.0065	.0802		10:37	.28	.164	.2203		10:07	0	0	0	
48	.12	.0722	.0826		7:21	.01	.0041	.0804		10:39	.30	.174	.2259		27	T	T		
49	.09	.0552	.0837		7:24	T	.0035	.0806		10:42	.28	.164	.2344		29	.01	.0035	.0001	
50	.07	.0405	.0845		7:28	T	.0012	.0808		10:45	.25	.146	.2422		30	.01	.0082	.0002	
51	.05	.0317	.0851		8:10	0	0	.0809		10:48	.21	.121	.2489		31	.07	.0452	.0007	
52	.04	.0241	.0856							10:50	.18	.106	.2527		32	.17	.0986	.0019	
53	.04	.0205	.0860		Aug. 30 <sup>25</sup>					10:52	.15	.0851	.2558		33	.28	.164	.0041	
54	.02	.0135	.0863		a. m.					10:54	.11	.0663	.2583		34	.38	.225	.0074	
56	.01	.0082	.0867		6:20	0	0	0		10:56	.09	.0552	.2603		35	.46	.272	.0116	
58	.01	.0041	.0869		6:21	.01	.0041	.0002		10:57	.09	.0500	.2612		36	.48	.284	.0164	
4:00	.01	.0035	.0870		6:23	.04	.0205	.0006		10:59	.07	.0405	.2627		37	.44	.259	.0253	
102	T	.0012	.0871		6:25	.05	.0276	.0011		11:00	.06	.0358	.2633		39	.40	.236	.0295	
107	0	0	.0872		6:26	.06	.0358	.0011		11:02	.05	.0317	.2644		40	.35	.204	.0332	
					6:27	.09	.0500	.0018		11:04	.04	.0241	.2653		41	.30	.174	.0364	
4:28	0	0	0		6:28	.12	.0722	.0028		11:07	.03	.0176	.2663		42	.24	.138	.0391	
31	T	T			6:29	.15	.0851	.0041		11:09	.02	.0135	.2668		43	.19	.113	.0412	
40	T	T			6:30	.17	.0986	.0056		11:10	.02	.0111	.2670		44	.16	.0915	.0429	
41	T	.0012			6:31	.19	.113	.0074		11:13	.01	.0082	.2675		45	.12	.0722	.0443	
42	.01	.0041	.0001		6:32	.21	.121	.0094		11:17	.01	.0065	.2680		46	.08	.0452	.0463	
44	.01	.0065	.0003		6:33	.24	.138	.0137		11:20	.01	.0041	.2683		47	.06	.0358	.0470	
47	.01	.0065	.0006		6:34	.35	.146	.0208		11:25	.01	.0035	.2691		48	.04	.0241	.0475	
50	.01	.0041	.0009		6:35	.35	.146	.0240		11:33	T	.0012	.2694		49	.03	.0176	.0478	
53	.01	.0035	.0011		6:36	.35	.146	.0275		11:37	T	.0012	.2695		50	.02	.0111	.0483	
56	.01	.0012	.0012		6:37	.28	.164	.0310		11:39	T	T	.2697		52	.01	.0065	.0484	



TABLE 29.—Run-off from watershed 109, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Sept. 25 <sup>28</sup>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	Sept. 25 <sup>28</sup>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	Nov. 1 <sup>29</sup>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	Nov. 1 <sup>29</sup>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>
1:11	0	0	0	3:00	T	0	0.0241	11:03	0	0.0012	0.0004	6:47	0	0	0
1:12	T	.0012	.0001	3:30	0	0	.0241	11:05	.01	.0035	.0005	7:00	T	T	.0001
1:13	.01	.0041	.0003	Sept. 26-Oct. 31	0	0	0	11:07	.01	.0041	.0006	7:03	T	.0012	.0002
1:15	.01	.0082	.0006	Nov. 1 <sup>29</sup>				11:08	.01	.0065	.0007	7:04	.01	.0041	.0004
1:17	.02	.0111	.0012					11:10	.02	.0111	.0010	7:05	.01	.0082	.0008
2:00	.01	.0082	.0020					11:12	.03	.0176	.0015	7:06	.04	.0205	.0004
2:25	.01	.0082	.0027					11:13	.04	.0205	.0018	7:07	.05	.0317	.0008
3:00	.01	.0082	.0032					11:14	.07	.0276	.0022	7:08	.06	.0358	.0014
3:33	.02	.0135	.0034					11:15	.05	.0317	.0027	7:11	.06	.0358	.0032
3:34	.04	.0205	.0037					11:16	.06	.0358	.0033	7:14	.05	.0276	.0048
3:35	.05	.0276	.0041					11:17	.06	.0358	.0039	7:15	.04	.0241	.0052
3:36	.06	.0358	.0046					12:00	.07	.0405	.0058	7:17	.03	.0176	.0059
3:37	.08	.0452	.0053					12:02	.06	.0358	.0071	7:19	.02	.0111	.0364
3:39	.09	.0552	.0061					12:04	.05	.0317	.0082	7:22	.01	.0082	.0066
4:00	.10	.0604	.0071					12:06	.05	.0276	.0092	7:25	.01	.0065	.0068
4:11	.11	.0663	.0082					12:08	.04	.0205	.0108	7:27	.01	.0041	.0071
4:12	.11	.0663	.0093					12:10	.02	.0135	.0114	7:30	.01	.0035	.0072
4:44	.10	.0604	.0114					12:12	.02	.0111	.0118	7:33	T	.0012	.0073
4:46	.09	.0552	.0133					12:14	.01	.0082	.0121	7:35	T	T	.0075
4:48	.08	.0452	.0150					12:16	.01	.0065	.0126	8:00	0	0	.0075
5:00	.07	.0405	.0164					12:17	.01	.0065	.0134				
5:25	.05	.0317	.0176					12:18	.01	.0082	.0138	Nov. 2-			
5:44	.04	.0241	.0185					12:20	.01	.0065	.0140	Dec. 28	0	0	0
5:56	.03	.0176	.0198					12:22	.01	.0041	.0143	Dec. 29 <sup>30</sup>	( <sup>31</sup> )	( <sup>31</sup> )	.0228
5:58	.03	.0176	.0198					12:24	.01	.0035	.0146	Dec. 30-31	0	0	0
2:00	.02	.0135	.0203												
2:05	.01	.0082	.0212												
1:10	.01	.0065	.0218												
1:18	.01	.0041	.0225												
2:25	.01	.0041	.0230												
3:33	.01	.0035	.0235												
4:43	T	.0012	.0239												

<sup>28</sup> Total rainfall for storm of Sept. 24, 0.67 inch and Sept. 25, 0.49 inch (gage at meteorological station). Total soil loss in run-off water for these storms 0.001 ton per acre. Grass 6 inches, clover 9 inches, weeds 9 inches high. Soil dry and loose.

<sup>29</sup> Total rainfall for storm of Nov. 1, 1.11 inches (gage at meteorological station). Total soil loss in run-off water 0.007 ton per acre. Grass 5 inches, clover 6 inches, weeds 8 inches high. Soil dry and loose.

<sup>30</sup> Total rainfall for storm of Dec. 28 and 29, 0.76 inch. No soil loss in run-off water for this storm. Grass 3 inches, clover 3 inches, weeds 4 inches high. Soil moist and soft.

<sup>31</sup> No rate record; accumulated run-off computed from silt-box measurements.

TABLE 30.—Run-off from watershed 113, 1940

LOCATION: Latitude 40°22'05'', longitude 81°46'47''.

#### PHYSICAL CHARACTERISTICS:

*Drainage area.*—1.45 acres.

*Length of principal watercourse.*—375 feet.

*Topography.*—Three gullies of about 1-foot depth extend through the steep area in the lower third of the watershed. Slope is not regular in appearance and drainage pattern is well defined. Aspect is to the northwest.

*Slope.*—Average slope is 9.3 percent. 61 percent of the watershed has a slope of 6 to 10 percent and 39 percent has a slope of 10 to 20 percent.

*Erosion condition.*—Sheet erosion has removed 50 to 75 percent of the topsoil. There has been considerable gully erosion. Erosional deposit at lower end of watershed is small.

*Soil.*—Coshocton silt loam is the predominant soil.

#### LAND USE AND VEGETAL COVER:

*Land use distribution.*—Wheat was followed by meadow 100 percent during 1940.

*Vegetal cover and soil condition.*—Litter during the growing season was composed of wheat stubble and clover averaging 200 pounds per acre. Cover and soils were as follows:

January 11, soil moist and firm, wheat 4.5 inches high, frost penetration 5.5 inches.

January 25, soil moist and hard, wheat 4.5 inches high, frost penetration 7.5 inches.

February 8, soil dry and hard, wheat 4.5 inches high, frost penetration 7 inches.

February 23, soil moist and firm, wheat 4.5 inches high, frost penetration 1 inch.

March 6, soil wet and soft, wheat 4.5 inches high, severe sheet erosion and moderate gullies.

March 21, soil fairly wet and soft, wheat 4.5 inches high.

April 5, soil moist and soft, wheat 4.5 inches high, new pot holes and gullies up to 10 x 12 inches.

April 24, soil fairly wet and soft, wheat 5 inches high, gullies up to 12 x 12 inches, silt deposit near flume.

May 8, soil moist and soft, wheat 6 inches high.

May 22, soil dry and loose; wheat 9.5 inches, clover and grass 0.25 inch high.

June 5, soil dry and loose; wheat 15 inches, clover, grass, and weeds 2 inches high; scouring in gullies.

June 17, soil moist and soft; wheat 30 inches, clover, grass, and weeds 3 inches high; scouring in pot holes; smut in wheat.

July 9, soil moist and soft; wheat 35 inches, clover, grass, and weeds 4 inches high.

July 17, wheat harvested, yield 11.0 bushels per acre.

July 24, soil moist and soft; grass 5 inches, clover 6 inches, and weeds 5 inches high.

August 9, soil dry and loose; grass 5 inches, clover 6 inches, and weeds 6 inches high.

August 22, soil dry and loose; grass 5 inches, clover 6 inches, and weeds 6 inches high.

September 13, soil dry and loose; grass 5 inches, clover 6 inches, and weeds 7 inches high.

September 27, soil moist and soft; grass 4 inches, clover 5 inches, and weeds 7 inches high.

October 10, soil dry and loose; grass 4 inches, clover 4 inches, and weeds 6 inches high.

October 24, soil dry and loose; grass 3 inches, clover 4 inches, and weeds 5 inches high.

November 7, soil moist and soft; grass 2 inches, clover 3 inches, and weeds 3 inches high.



TABLE 30.—Run-off from watershed 113, 1940—Continued

November 28, soil moist and soft; grass 2 inches, clover 3 inches, and weeds 2 inches high.

December 11, soil moist and soft; grass 1 inch, clover 2 inches, and weeds 2 inches high.

## MEASUREMENTS:

*Precipitation.*—Rainfall was measured at recording rain gage 109 (fig. 2). Snowfall was measured in the rain gage supplemented by a snowboard. Snow inventory on the watershed was obtained by surveys and observations to determine depth, distribution, and water equivalent.

*Run-off.*—Run-off was measured by an H flume of 2.5-foot depth. Run-off records are fair. Silt deposits caused

considerable inaccuracy of recession curves during most storms. The laboratory rating was used.

*Soil loss.*—Records of soil loss were not obtained.

*Changes in instrumentation during year.*—Gullies and channels were shaped and sodded during August to form grassed waterway.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, AUGUST 1939 TO DECEMBER 1940:

*Rainfall.*—Total precipitation for 1940, 44.70 inches.

*Run-off.*—Maximum rate of run-off for period of record, 3.21 inches per hour, June 18, 1940.

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
	Second-foot 0	Inches per hour 0		Second-foot 0	Inches per hour 0		Second-foot 0	Inches per hour 0		Second-foot 0	Inches per hour 0
Jan. 1-13			Jan. 14			Feb. 6 <sup>3</sup>			Feb. 10 <sup>4</sup>		
Jan. 14 <sup>1</sup>			p. m.			p. m.			a. m.		
6:35	0	0	12:15 <sup>2</sup>	0.05	0.0318	9:00	0.01	0.0042	4:00 <sup>2</sup>	0	0
41	T	0.0012	3:5 <sup>2</sup>	0.04	0.0239	50	T	0.0026	5:00 <sup>2</sup>	0	0.0012
45	0.01	0.0042	5:0 <sup>2</sup>	0.02	0.0169	10:00	T	0.0026	3:0 <sup>2</sup>	0.01	0.0083
48	0.01	0.0083	1:00 <sup>2</sup>	0.02	0.0137	11:00	0	0	6:00 <sup>2</sup>	0.01	0.0083
51	0.02	0.0137	3:0 <sup>2</sup>	0.01	0.0083				7:00 <sup>2</sup>	0.01	0.0061
53	0.03	0.0204	2:00 <sup>2</sup>	0.01	0.0061	Feb. 7-8	0	0	3:0 <sup>2</sup>	0.02	0.0108
57	0.04	0.0239	21 <sup>2</sup>	0.01	0.0061				4:5	0.02	0.0169
7:00	0.03	0.0204	24 <sup>2</sup>	0.02	0.0108	Feb. 9 <sup>4</sup>			8:00	0.03	0.0204
7:05	0.02	0.0137	26 <sup>2</sup>	0.02	0.0169	p. m.			15	0.03	0.0204
10	0.01	0.0083	28	0.04	0.0239	1:00	0	0	37	0.02	0.0137
13	0.02	0.0137	30	0.05	0.0318	4:00	T	0.0012	50	0.01	0.0083
15	0.03	0.0204	31	0.05	0.0362	2:00	T	0.0026	9:00 <sup>2</sup>	0.01	0.0061
16	0.04	0.0278	36	0.06	0.0408	3:00	0.01	0.0061	15 <sup>2</sup>	T	0.0026
17	0.06	0.0408	43	0.05	0.0362	4:00	0.01	0.0083	40 <sup>2</sup>	T	0.0012
18	0.10	0.0678	50 <sup>2</sup>	0.04	0.0278	5:00	0.01	0.0042	10:00 <sup>2</sup>	T	0.0026
20	0.10	0.0678	3:00 <sup>2</sup>	0.03	0.0204	6:00	T	0.0012	1:0 <sup>2</sup>	0.01	0.0061
23 <sup>2</sup>	0.08	0.0562	4:00 <sup>2</sup>	0.02	0.0137	25	0.01	0.0042	2:0	0.02	0.0108
25 <sup>2</sup>	0.07	0.0456	16 <sup>2</sup>	0.01	0.0083	35	0.01	0.0083	3:0	0.02	0.0137
28 <sup>2</sup>	0.05	0.0362	28 <sup>2</sup>	0.01	0.0083	42	0.02	0.0137	4:5	0.02	0.0137
33 <sup>2</sup>	0.04	0.0278	4:00 <sup>2</sup>	0	0	44	0.03	0.0204	11:00	0.02	0.0108
34 <sup>2</sup>	0.05	0.0362	Jan. 15-Feb. 5	0	0	47	0.04	0.0278	20	0.01	0.0061
36 <sup>2</sup>	0.07	0.0456	Feb. 6 <sup>3</sup>			48	0.05	0.0362	45	0.01	0.0042
37 <sup>2</sup>	0.08	0.0562	a. m.			52	0.06	0.0408	12:30	0.01	0.0042
38 <sup>2</sup>	0.10	0.0678	10:05	0	0	57	0.08	0.0562	4:00	0.01	0.0061
40	0.14	0.0944	15	0.01	0.0061	7:00	0.10	0.0678	1:00	0.01	0.0061
41	0.17	0.117	27	0.02	0.0108	12	0.08	0.0562	2:00	0.01	0.0061
42	0.22	0.152	38	0.02	0.0108	18	0.07	0.0456	3:00	T	0.0026
44	0.30	0.203	50	0.02	0.0169	25	0.05	0.0362	3:00 <sup>2</sup>	T	0.0012
45	0.35	0.237	11:00	0.04	0.0239	30	0.04	0.0278	4:0 <sup>2</sup>	T	0.0026
46	0.36	0.248	1:05	0.04	0.0278	38	0.03	0.0204	42	0.01	0.0061
53	0.36	0.248	1:06	0.05	0.0362	8:00	0.02	0.0137	43	0.02	0.0137
8:00	0.30	0.203	1:08	0.07	0.0456	3:00	0.01	0.0083	44	0.04	0.0239
10	0.22	0.152	1:10	0.08	0.0562	4:5	0.01	0.0061	45	0.04	0.0278
16	0.18	0.126	1:15	0.09	0.0618	9:00	0.02	0.0108	46	0.12	0.0805
23	0.16	0.109	1:40	0.08	0.0562	10:05	0.03	0.0204	48	0.17	0.117
30	0.20	0.134	12:00	0.07	0.0456	10:07	0.04	0.0278	50	0.21	0.143
37	0.24	0.161	p. m.			11:00	0.05	0.0362	52	0.28	0.192
45	0.21	0.143	12:40	0.05	0.0362	12	0.06	0.0408	56	0.18	0.126
50	0.16	0.109	1:00	0.05	0.0318	18	0.06	0.0408	58	0.17	0.117
55	0.12	0.0805	1:05	0.06	0.0408	22	0.07	0.0508	58	0.20	0.134
9:00 <sup>2</sup>	0.08	0.0562	1:30	0.06	0.0408	23	0.09	0.0618	59	0.28	0.192
10:5 <sup>2</sup>	0.07	0.0456	1:45	0.07	0.0508	25	0.11	0.0740	60	0.40	0.274
11:0 <sup>2</sup>	0.05	0.0362	2:00	0.09	0.0618	30	0.11	0.0740	62	0.48	0.328
15 <sup>2</sup>	0.04	0.0278	2:05	0.13	0.0873	40	0.09	0.0618	64	0.48	0.328
23 <sup>2</sup>	0.03	0.0204	2:10	0.16	0.109	46	0.07	0.0508	66	0.38	0.261
32 <sup>2</sup>	0.02	0.0137	2:20	0.17	0.117	52	0.06	0.0408	68	0.31	0.213
38 <sup>2</sup>	0.02	0.0108	2:30	0.21	0.143	10:00	0.04	0.0278	70	0.33	0.224
43 <sup>2</sup>	0.02	0.0169	3:00	0.22	0.152	10:05	0.03	0.0204	72	0.27	0.181
46 <sup>2</sup>	0.04	0.0239	3:40	0.22	0.152	15	0.02	0.0137	75	0.21	0.193
48 <sup>2</sup>	0.05	0.0318	4:00	0.22	0.152	35	0.01	0.0083	78	0.21	0.143
50 <sup>2</sup>	0.06	0.0408	3:00	0.21	0.143	11:00	0.01	0.0061	80	0.30	0.203
52 <sup>2</sup>	0.07	0.0508	1:17	0.17	0.117	14:5	0.01	0.0042	82	0.33	0.224
53 <sup>2</sup>	0.09	0.0618	3:5	0.15	0.102	12:00	T	0.0026	83	0.33	0.224
56 <sup>2</sup>	0.11	0.0740	4:5	0.20	0.134				84	0.27	0.181
10:00 <sup>2</sup>	0.13	0.0873	4:00	0.15	0.102	Feb. 10 <sup>4</sup>			85	0.20	0.134
10:2	0.16	0.109	4:15	0.12	0.0805	a. m.			86	0.16	0.109
10:20	0.17	0.117	4:30	0.09	0.0618	12:30	T	0.0026	87	0.14	0.0944
10:40	0.16	0.109	5:00	0.07	0.0508	5:00	0.01	0.0061	88	0.17	0.117
11:00 <sup>2</sup>	0.14	0.0944	5:40	0.05	0.0362	5:05	0.01	0.0061	89	0.22	0.152
11:2	0.13	0.0873	6:00	0.04	0.0278	1:00	0.01	0.0061	90	0.25	0.171
15 <sup>2</sup>	0.11	0.0740	6:25	0.03	0.0204	3:0	0.01	0.0042	91	0.31	0.213
30 <sup>2</sup>	0.09	0.0618	7:00	0.02	0.0137	2:00 <sup>2</sup>	T	0.0012	92	0.25	0.171
35 <sup>2</sup>	0.07	0.0508	7:20	0.02	0.0108	3:0 <sup>2</sup>	0	0	93	0.21	0.143
12:00 <sup>2</sup>	0.06	0.0408	8:00	0.01	0.0083				94	0.16	0.109

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.82 inch. Wheat 4.5 inches high. Soil moist and firm, frost penetration 5.5 inches.

<sup>2</sup> Corrections for silt or ice conditions were estimated and applied to observed gage heights.

<sup>3</sup> Total rainfall for storm of Feb. 6, 0.48 inch. Melting snow and thawing soil

contributed to run-off. Wheat 4½ inches high. Soil dry and hard, frost penetration 7 inches.

<sup>4</sup> Total rainfall for storms of Feb. 9, 0.15 inch and Feb. 10, 0.06 inch and 0.54 inch. Melting snow and thawing soil contributed to run-off. Wheat 4.5 inches high. Soil dry and firm, frost penetration 7 inches.



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour	
Feb. 10 <sup>4</sup>								Mar. 3 <sup>6</sup>							
p. m.				Feb. 13—				a. m.				Mar. 3 <sup>6</sup>			
5:36	0.13	0.0873	0.3712	Mar. 1	0	0	0	10:00	0.05	0.0318	0.0863	11:10	0.07	0.0456	1.6301
:40	.17	.117	.3780					:10	.05	.0362	.6919	:30	.05	.0332	1.6437
:43	.25	.171	.3866					:30	.05	.0318	.7032	:35	.07	.0456	1.6471
:48	.31	.213	.4026	Mar. 2 <sup>6</sup>				11:00	.05	.0362	.7202	:40	.08	.0562	1.6513
:51	.28	.192	.4127					:30	.06	.0456	.7406	:45	.10	.0678	1.6565
:55	.22	.152	.4250	a. m.				:50	.06	.0456	.7558	:55	.08	.0562	1.6617
6:00	.16	.109	.4358	8:20 <sup>2</sup>	0	0	0	12:00	.06	.0408	.7630	12:00	.07	.0563	1.6662
:07	.18	.126	.4595	:28 <sup>2</sup>	T	.0012	.0001								
:12	.18	.126	.4600	:37 <sup>2</sup>	.01	.0042	.0005	p. m.							
:17	.27	.181	.4727	:45 <sup>2</sup>	.01	.0083	.0013	12:30	.05	.0318	.7811	Mar. 4 <sup>6</sup>			
:22	.21	.143	.4862	:55 <sup>2</sup>	.02	.0137	.0031	1:00	.05	.0318	.7970	a. m.			
:26	.16	.109	.4946	9:00 <sup>2</sup>	.02	.0169	.0044	:40	.05	.0362	.8196	12:10	.06	.0408	.0076
:31	.17	.117	.5040	:10 <sup>2</sup>	.04	.0239	.0078	:55	.07	.0508	.8305	:20	.05	.0318	.0137
:40	.16	.109	.5210	:20 <sup>2</sup>	.05	.0362	.0128	2:00	.09	.0618	.8352	:25	.05	.0318	.0163
:52	.12	.0805	.5399	:30	.07	.0508	.0200	:07	.10	.0678	.8428	:35	.06	.0408	.0224
:57	.16	.109	.5478	10:00	.09	.0618	.0481	:13	.14	.0944	.8509	:45	.07	.0508	.0300
7:00	.14	.0944	.5529	:15	.10	.0678	.0643	:19	.16	.109	.8611	:55	.09	.0618	.0396
:07	.10	.0678	.5624	11:00	.10	.0678	.1150	:30	.14	.0944	.8797	1:00	.10	.0678	.0450
:15	.07	.0508	.5703	12:00	.10	.0678	.1828	:40	.14	.0678	.8932	:10	.11	.0740	.0568
:30	.07	.0456	.5823					3:00	.09	.0618	.9148	:15	.13	.0873	.0635
:45 <sup>2</sup>	.05	.0362	.5925	p. m.				:20	.09	.0618	.9354	:20	.13	.0873	.0708
8:00 <sup>2</sup>	.05	.0318	.6010	12:20	.09	.0618	.2044	:40	.07	.0508	.9542	:25	.10	.0678	.0773
:02 <sup>2</sup>	.05	.0318	.6021	1:00	.08	.0562	.2438	4:00	.05	.0362	.9687	:30	.07	.0508	.0822
:05	.07	.0456	.6040	2:00	.08	.0562	.3000	:25	.05	.0318	.9829	:35	.06	.0408	.0860
:07	.09	.0618	.6058	3:00	.07	.0508	.3535	:05	.05	.0318	.9962	:45	.05	.0318	.0921
:09	.12	.0805	.6082	4:00	.08	.0562	.4070	5:00	.04	.0278	1.0012	2:00	.04	.0239	.0991
:11	.13	.0873	.6110	5:00	.08	.0562	.4632	:14	.04	.0278	1.0077	:25	.02	.0169	.1076
:18	.11	.0740	.6205	:15	.10	.0678	.4787	:17	.05	.0362	1.0093	3:00	.02	.0137	.1165
:25	.08	.0562	.6278	:30	.13	.0873	.4981	:18	.10	.0678	1.0102	:50	.02	.0108	.1267
:33	.07	.0456	.6431	:45	.15	.102	.5218	:19	.21	.143	1.0120	4:00	.02	.0108	.1285
:36	.08	.0562	.6456	6:00	.15	.102	.5473	:20	.36	.248	1.0153	:35	.02	.0137	.1357
:38	.11	.0740	.6473	:20	.13	.0873	.5788	:21	.52	.356	1.0204	5:40	.02	.0137	.1505
:40	.16	.109	.6508	7:00	.10	.0678	.6304	:22	.76	.523	1.0279	6:00	.02	.0108	.1546
:42	.17	.117	.6546	:30	.08	.0562	.6614	:25	.71	.487	1.0531	:15	.02	.0137	.1577
:45	.16	.109	.6603	8:00	.08	.0562	.6895	:26	.64	.435	1.0609	:40	.02	.0108	.1628
:49	.11	.0740	.6664	:30	.07	.0508	.7162	:30	.48	.328	1.0863	7:00	.02	.0169	.1674
:55	.09	.0518	.6732	:50	.07	.0508	.7331	:35	.33	.224	1.1093	:05	.04	.0239	.1691
9:00	.07	.0508	.6779	9:00	.08	.0562	.7420	:40	.24	.161	1.1253	:15	.02	.0169	.1725
:08 <sup>2</sup>	.06	.0408	.6840	:10	.11	.0740	.7520	:45	.17	.117	1.1369	:25	.02	.0137	.1751
:16 <sup>2</sup>	.05	.0318	.6888	:20	.16	.109	.7672	:48	.16	.109	1.1426	8:00	.02	.0108	.1822
:25 <sup>2</sup>	.04	.0239	.6930	:25	.20	.134	.7773	:55	.16	.109	1.1554	9:00	.01	.0083	.1908
:38 <sup>2</sup>	.02	.0169	.6974	:30	.21	.143	.7888	6:00	.11	.0740	1.1630	12:00	.01	.0083	.2157
:55 <sup>2</sup>	.02	.0108	.7013	:40	.21	.143	.8126	:05	.09	.0618	1.1857				
10:00 <sup>2</sup>	.01	.0083	.7020	10:00	.20	.134	.8571	:10	.08	.0562	1.1736	p. m.			
:30 <sup>2</sup>	.01	.0042	.7051	:15	.15	.102	.8866	:20	.08	.0562	1.1830	1:00	.02	.0108	.2243
11:00 <sup>2</sup>	T	.0012	.7064	:35	.12	.0805	.9094	:25	.11	.0740	1.1884	2:00	.01	.0083	.2329
:30 <sup>2</sup>	0	0	.7064	:45	.11	.0740	.9223	:30	.15	.102	1.1957	5:45	.01	.0083	.2640
Feb. 11	0	0	0	11:00	.12	.0805	.9416	:38	.16	.109	1.2097	6:10	.02	.0137	.2686
				:05	.13	.0873	.9486	:45	.15	.102	1.2221	8:15	.02	.0137	.2834
Feb. 12 <sup>5</sup>				:10	.17	.117	.9571	7:00	.12	.0805	1.2449	9:15	.01	.0083	.2944
a. m.				:25	.22	.152	.9906	:15	.14	.0944	1.2638	12:00	.01	.0083	.3172
10:30 <sup>2</sup>	0	0	0	:35	.25	.171	1.0176	:25	.18	.126	1.2852				
11:00 <sup>2</sup>	0	.0026	.0006	:45	.33	.224	1.0504	:30	.20	.134	1.2960	Mar. 5 <sup>6</sup>			
:15 <sup>2</sup>	.01	.0042	.0014	:55	.33	.224	1.0877	:38	.18	.126	1.3133	a. m.			
:21 <sup>2</sup>	.01	.0083	.0020	12:00	.31	.213	1.1059	:45	.15	.102	1.3266	12:45	.01	.0061	.0054
:25 <sup>2</sup>	.02	.0137	.0027					:50	.14	.0944	1.3348	1:00	.01	.0042	.0067
:30 <sup>2</sup>	.02	.0204	.0041	Mar. 3 <sup>6</sup>				:55	.10	.0678	1.3416	:25	T	.0026	.0081
:35 <sup>2</sup>	.05	.0318	.0063	a. m.				8:00	.08	.0562	1.3468	2:00	0	0	.0089
:40 <sup>2</sup>	.07	.0508	.0097	12:14	.27	.181	.0459	:10	.07	.0456	1.3553				
:45 <sup>2</sup>	.10	.0678	.0146	:25	.20	.134	.0748	:25	.06	.0408	1.3661	Mar. 6 <sup>7</sup>			
:55 <sup>2</sup>	.14	.0944	.0281	:45	.25	.171	.1255	9:00	.06	.0408	1.3899	p. m.			
12:00 <sup>2</sup>	.15	.102	.0363	:100	.31	.213	.1735	:15	.05	.0362	1.4143	1:55	0	0	0
				:10	.33	.224	.2098	:35	.05	.0362	1.4187	2:00	T	.0026	.0001
				:15	.33	.224	.2285	:44	.07	.0508	1.4191	:05	.01	.0083	.0006
				:30	.27	.181	.2790	:45	.10	.0678	1.4211	:30	.01	.0061	.0036
				:40	.24	.161	.3075	:47	.20	.134	1.4243	3:00	.01	.0042	.0062
				:50	.24	.161	.3343	:48	.31	.213	1.4273	:15	.01	.0042	.0072
				2:00	.22	.152	.3603	:49	.40	.274	1.4314	:30	.01	.0061	.0085
				:35	.21	.143	.3973	:50	.48	.328	1.4365	4:00	.01	.0061	.0115
				:50	.15	.102	.4278	:52	.54	.371	1.4431	5:00	.01	.0061	.0176
				:45	.11	.0740	.4498	:54	.57	.387	1.4607	6:00	T	.0026	.0219
				3:00	.09	.0618	.4668	:55	.48	.328	1.4668	7:00	0	0	.0232
				:30	.07	.0508	.4949	:58	.38	.261	1.4816				
				4:00	.06	.0408	.5178	10:00	.33	.224	1.4897	Mar. 7 <sup>8</sup>			
				:30	.05	.0318	.5360	:05	.30	.203	1.5075	p. m.			
				5:00	.04	.0278	.5509	:09	.24	.161	1.5196	2:00	0	0	0
				:40	.03	.0204	.5669	:13	.30	.203	1.5317	:10	T	.0026	.0002
				6:00	.04	.0239	.5743	:25	.25	.171	1.5536	:15	.01	.0061	.0006
				7:00	.04	.0239	.5982	:23	.25	.171	1.5621	4:00	.01	.0061	.0018
				:30	.04	.0278	.6111	:30	.18	.126	1.5794	5:00	.01	.0083	.0090
				8:00	.04	.0278	.6250	:35	.18	.126	1.5899	6:00	.01	.0061	.0162
				:30	.04	.0278	.6389	:40	.15	.102	1.5994	8:00	.01	.0061	.0223
				9:00	.05	.0362	.6549	:45	.12	.0805	1.6070	9:00	T	.0026	.0266
				:10	.05	.0362	.6609	11:00	.09	.0618	1.6129	10:00	T	T	.0279
				:35	.04	.0278	.6743	:05	.07	.0456	1.6263				
				:50	.04	.0278	.6813								

<sup>2</sup> Corrections for silt or ice conditions were estimated and applied to observed gage heights.

<sup>5</sup> No rainfall on Feb. 12. Run-off due to melting snow and thawing soil. Wheat 4½ inches high. Soil dry and firm, frost penetration 7 inches.

<sup>6</sup> Total rainfall for storms of Mar. 2, 0.75 inch; Mar. 3, 0.81 inch; Mar. 4, 0.07 inch;

no rainfall on Mar. 5. Wheat 4½ inches high. Soil soggy and soft.

<sup>7</sup> No rainfall on Mar. 6. Run-off due to melting snow and thawing soil. Wheat 4½ inches high. Soil soggy and soft.

<sup>8</sup> No rainfall on Mar. 7. Run-off due to melting snow and thawing soil. Wheat 4½ inches high. Soil soggy and soft.



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour			Second-foot	Inches per hour	
Mar. 8-17	0	0	0	Apr. 3 <sup>11</sup>	0	0	0	Apr. 11 <sup>12</sup>	0	0	0	Apr. 19 <sup>13</sup>	0	0	0
Mar. 18 <sup>9</sup>	0	0	0	p. m.	0	0	0	p. m.	0	0	0	p. m.	0	0	0
5:35	0	0	0	3:00 <sup>2</sup>	0	0	0	8:25	0.13	0.0873	0.1349	10:13	0.35	0.236	0.1710
4:3	T	.0012	.0001	1:5 <sup>2</sup>	0	0	.0359	3:0 <sup>2</sup>	0	0	.1414	1:9	0.38	0.261	1.959
4:8	.01	.0042	.0003	6:08	0	0	0	3:6 <sup>2</sup>	.07	.0508	.1473	2:5	0.30	0.203	2.191
5:1	.01	.0083	.0006	0:9	T	.0026	0	4:5 <sup>2</sup>	.05	.0362	.1538	3:0	0.25	0.171	2.347
5:2	.04	.0278	.0007	1:0	.01	.0083	.0001	5:5 <sup>2</sup>	.04	.0278	.1593	3:3	0.27	0.181	2.435
5:3	.08	.0562	.0014	1:1	.03	.0204	.0003	5:8 <sup>2</sup>	.05	.0362	.1610	3:9	0.27	0.181	2.616
5:4	.15	.102	.0027	1:3	.04	.0278	.0011	9:00 <sup>2</sup>	.07	.0508	.1625	4:2	0.33	0.224	2.717
5:5	.21	.143	.0048	1:5	.05	.0362	.0022	0:1 <sup>2</sup>	.09	.0562	.1634	4:4	0.38	0.261	2.798
5:6	.30	.203	.0077	2:0	.07	.0456	.0056	0:2	.13	.0873	.1646	5:0	0.40	0.274	3.066
5:7	.42	.287	.0119	2:2	.05	.0362	.0076	0:4	.16	.109	.1679	5:4	0.36	0.248	3.240
5:9	.50	.342	.0225	2:3	.03	.0204	.0091	0:6	.16	.109	.1824	5:6	0.30	0.203	3.308
6:00	.48	.328	.0282	2:5	.04	.0278	.0087	0:8	.13	.0873	.1955	5:9	0.24	0.161	3.399
6:2	.36	.248	.0380	3:0	.02	.0137	.0097	0:10	.10	.0678	.2020	11:00	0.25	0.171	3.427
6:3	.31	.213	.0419	3:2	.01	.0083	.0101	0:12	.08	.0562	.2072	0:2	0.35	0.237	3.495
6:7	.31	.213	.0571	3:7	T	.0012	.0106	0:14	.07	.0456	.2114	0:4	0.46	0.313	3.587
6:11	.22	.152	.0692	4:5	0	0	.0107	0:16	.06	.0408	.2150	0:7	0.61	0.419	3.770
6:15	.31	.213	.0813	Apr. 4-10	0	0	0	0:18	.08	.0562	.2190	0:10	0.54	0.371	3.968
6:20	.44	.300	.1027	Apr. 11 <sup>12</sup>	0	0	0	0:20	.11	.0740	.2212	0:12	0.57	0.387	4.094
6:24	.60	.442	.1241	p. m.	0	0	0	0:22	.14	.0944	.2240	0:15	0.57	0.387	4.287
6:30	.40	.274	.1549	2:50	0	0	0	0:24	.14	.0944	.2240	0:17	0.57	0.387	4.470
6:35	.31	.213	.1726	3:2	T	.0012	0	0:26	.17	.117	.2301	0:20	0.44	0.300	4.573
6:40	.25	.171	.1886	3:4	.01	.0042	.0001	0:28	.18	.126	.2362	0:24	0.38	0.261	4.760
6:45	.20	.134	.2013	3:6	.01	.0083	.0003	0:30	.16	.109	.2421	0:26	0.38	0.261	5.021
6:50	.16	.109	.2115	3:8	.02	.0137	.0007	0:32	.16	.109	.2481	0:28	0.28	0.192	5.210
6:55	.13	.0873	.2205	3:10	.03	.0204	.0013	0:34	.16	.109	.2541	0:30	0.24	0.161	5.358
7:00	.11	.0678	.2270	3:12	.04	.0278	.0021	0:36	.11	.0740	.2601	0:32	0.17	0.117	5.474
7:05	.08	.0562	.2322	3:14	.04	.0278	.0021	0:38	.08	.0562	.2661	0:34	0.13	0.0873	5.552
7:10	.07	.0456	.2364	3:16	.04	.0278	.0021	0:40	.07	.0456	.2721	0:36	0.10	0.0678	5.630
7:15	.05	.0362	.2398	3:18	.02	.0169	.0044	0:42	.05	.0362	.2781	0:38	0.08	0.0562	5.708
7:20	.05	.0362	.2426	3:20	.02	.0169	.0044	0:44	.05	.0362	.2841	0:40	0.07	0.0456	5.786
7:25	.04	.0239	.2449	3:22	.02	.0169	.0044	0:46	.05	.0362	.2901	0:42	0.06	0.0408	5.864
7:30	.03	.0204	.2468	3:24	.03	.0204	.0066	0:48	.05	.0362	.2961	0:44	0.05	0.0362	5.942
7:35	.02	.0137	.2496	3:26	.04	.0278	.0070	0:50	.05	.0362	.3021	0:46	0.04	0.0278	6.020
7:40	.01	.0083	.2523	3:28	.05	.0362	.0081	0:52	.05	.0362	.3081	0:48	0.03	0.0204	6.098
7:45	.01	.0061	.2529	3:30	.08	.0562	.0092	0:54	.05	.0362	.3141	0:50	0.02	0.0137	6.176
7:50	.01	.0042	.2538	3:32	.08	.0562	.0111	0:56	.05	.0362	.3201	0:52	0.02	0.0137	6.254
7:55	T	.0012	.2551	3:34	.07	.0456	.0136	0:58	.05	.0362	.3261	0:54	0.02	0.0137	6.332
8:00	0	0	.2553	3:36	.06	.0408	.0165	0:60	.05	.0362	.3321	0:56	0.02	0.0137	6.410
Mar. 19-26	0	0	0	3:38	.07	.0456	.0187	0:62	.05	.0362	.3381	0:58	0.03	0.0204	6.488
Mar. 27 <sup>10</sup>	0	0	0	3:40	.07	.0456	.0209	0:64	.05	.0362	.3441	0:60	0.04	0.0278	6.566
p. m.	0	0	0	3:42	.05	.0362	.0231	0:66	.05	.0362	.3501	0:62	0.05	0.0362	6.644
3:30	0	0	0	3:44	.04	.0278	.0253	0:68	.05	.0362	.3561	0:64	0.05	0.0362	6.722
3:35	T	.0012	.0001	3:46	.02	.0169	.0275	0:70	.05	.0362	.3621	0:66	0.04	0.0278	6.800
3:40	T	.0012	.0002	3:48	.02	.0169	.0297	0:72	.05	.0362	.3681	0:68	0.03	0.0204	6.878
3:45	.01	.0042	.0004	3:50	.01	.0061	.0319	0:74	.05	.0362	.3741	0:70	0.02	0.0137	6.956
3:50	.01	.0083	.0006	3:52	T	.0026	.0341	0:76	.05	.0362	.3801	0:72	0.02	0.0137	7.034
3:55	.02	.0137	.0015	3:54	T	.0012	.0363	0:78	.05	.0362	.3861	0:74	0.02	0.0137	7.112
4:00	.02	.0137	.0033	3:56	T	.0012	.0385	0:80	.05	.0362	.3921	0:76	0.02	0.0137	7.190
4:05	.02	.0137	.0050	3:58	.01	.0042	.0407	0:82	.05	.0362	.3981	0:78	0.02	0.0137	7.268
4:10	.01	.0083	.0068	4:00	.01	.0061	.0429	0:84	.05	.0362	.4041	0:80	0.02	0.0137	7.346
4:15	.01	.0083	.0086	4:02	T	.0026	.0451	0:86	.05	.0362	.4101	0:82	0.02	0.0137	7.424
4:20	.02	.0137	.0015	4:04	T	.0012	.0473	0:88	.05	.0362	.4161	0:84	0.02	0.0137	7.502
4:25	.02	.0137	.0033	4:06	T	.0012	.0495	0:90	.05	.0362	.4221	0:86	0.02	0.0137	7.580
4:30	.01	.0083	.0050	4:08	T	.0012	.0517	0:92	.05	.0362	.4281	0:88	0.02	0.0137	7.658
4:35	.01	.0083	.0068	4:10	T	.0012	.0539	0:94	.05	.0362	.4341	0:90	0.02	0.0137	7.736
4:40	.02	.0137	.0015	4:12	T	.0012	.0561	0:96	.05	.0362	.4401	0:92	0.02	0.0137	7.814
4:45	.02	.0137	.0033	4:14	.01	.0061	.0583	0:98	.05	.0362	.4461	0:94	0.02	0.0137	7.892
4:50	.01	.0083	.0050	4:16	.01	.0061	.0605	1:00	.05	.0362	.4521	0:96	0.02	0.0137	7.970
4:55	.01	.0083	.0068	4:18	T	.0026	.0627	1:02	.05	.0362	.4581	0:98	0.02	0.0137	8.048
5:00	.01	.0061	.0086	4:20	T	.0012	.0649	1:04	.05	.0362	.4641	1:00	0.02	0.0137	8.126
5:05	T	.0026	.0015	4:22	T	.0012	.0671	1:06	.05	.0362	.4701	1:02	0.02	0.0137	8.204
5:10	0	0	.0175	4:24	.01	.0061	.0693	1:08	.05	.0362	.4761	1:04	0.02	0.0137	8.282
Mar. 28-	0	0	0	4:26	.01	.0061	.0715	1:10	.05	.0362	.4821	1:06	0.02	0.0137	8.360
Apr. 2	0	0	0	4:28	.01	.0061	.0737	1:12	.05	.0362	.4881	1:08	0.02	0.0137	8.438
Apr. 3 <sup>11</sup>	0	0	0	4:30	.01	.0061	.0759	1:14	.05	.0362	.4941	1:10	0.02	0.0137	8.516
p. m.	0	0	0	4:32	.01	.0061	.0781	1:16	.05	.0362	.5001	1:12	0.02	0.0137	8.594
2:13	0	0	0	4:34	.01	.0061	.0803	1:18	.05	.0362	.5061	1:14	0.02	0.0137	8.672
2:14	.01	.0061	.0001	4:36	.01	.0061	.0825	1:20	.05	.0362	.5121	1:16	0.02	0.0137	8.750
2:15	.02	.0137	.0003	4:38	.01	.0061	.0847	1:22	.05	.0362	.5181	1:18	0.02	0.0137	8.828
2:16	.07	.0456	.0008	4:40	.01	.0061	.0869	1:24	.05	.0362	.5241	1:20	0.02	0.0137	8.906
2:17	.36	.248	.0033	4:42	.01	.0061	.0891	1:26	.05	.0362	.5301	1:22	0.02	0.0137	8.984
2:18	.57	.387	.0057	4:44	.01	.0061	.0913	1:28	.05	.0362	.5361	1:24	0.02	0.0137	9.062
2:19	.44	.300	.0145	4:46	.01	.0061	.0935	1:30	.05	.0362	.5421	1:26	0.02	0.0137	9.140
2:20	.31	.213	.0189	4:48	.01	.0061	.0957	1:32	.05	.0362	.5481	1:28	0.02	0.0137	9.218
2:21	.21	.143	.0219	4:50	.01	.0061	.0979	1:34	.05	.0362	.5541	1:30	0.02	0.0137	9.296
2:22	.17	.117	.0241	4:52	.01	.0061	.1001	1:36	.05	.0362	.5601	1:32	0.02	0.0137	9.374
2:23	.13	.0873	.0258	4:54	.01	.0061	.1023	1:38	.05	.0362	.5661	1:34	0.02	0.0137	9.452
2:25	.11	.0740	.0286	4:56	.01	.0061	.1045	1:40	.05	.0362	.5721	1:36	0.02	0.0137	9.530
2:26	.07	.0508	.0297	4:58	.01	.0061	.1067	1:42	.05	.0362	.5781	1:38	0.02	0.0137	9.608
2:27	.06	.0408	.0305	5:00	.01	.0061	.1089	1:44	.05	.0362	.5841	1:40	0.02	0.0137	9.686
2:28	.05	.0362	.0311	5:02	.01	.0061	.1111	1:46	.05	.					



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Apr. 20				May 7-18	0	0	0	May 24 <sup>16</sup>				May 24 <sup>16</sup>			
a. m.								a. m.				a. m.			
7:45	0.15	0.102	0.9477					6:34	0.33	0.224	0.1281	11:24	0.28	0.192	0.4527
:50	.11	.0740	.9550					:36	.28	.192	.1350	:27	.24	.161	.4615
:55	.09	.0618	.9607					:38	.33	.287	.1429	:30	.17	.117	.4685
8:00	.08	.0562	.9656	May 19 <sup>15</sup>				:40	.30	.203	.1510	:33	.15	.102	.4740
:05	.07	.0508	.9701					:45	.24	.161	.1662	:35	.15	.102	.4774
:25	.06	.0408	.9854	p. m.				:48	.22	.152	.1740	:36	.16	.109	.4792
:45	.05	.0362	.9982	2:51	0	0	0	:52	.25	.171	.1848	:38	.22	.152	.4835
9:00	.05	.0362	1.0073	:53	T	.0026	.0001	:56	.25	.171	.1962	:40	.28	.192	.4892
:45	.05	.0362	1.0343	:54	.01	.0061	.0002	7:00	.22	.152	.2070	:43	.24	.161	.4982
:57	.07	.0456	1.0425	:56	.02	.0108	.0005	:06	.18	.126	.2209	:46	.18	.126	.5054
10:00	.07	.0456	1.0448	:57	.03	.0204	.0008	:09	.14	.0944	.2262	:49 <sup>2</sup>	.14	.0944	.5109
:07	.07	.0456	1.0577	:58	.05	.0318	.0012	:13 <sup>2</sup>	.10	.0678	.2316	:53 <sup>2</sup>	.10	.0678	.5163
:50	.05	.0362	1.0870	:59	.05	.0362	.0018	:15 <sup>2</sup>	.07	.0508	.2336	:55 <sup>2</sup>	.08	.0562	.5184
11:00	.06	.0408	1.0934	3:00	.04	.0239	.0023	:18 <sup>2</sup>	.06	.0408	.2359	:57 <sup>2</sup>	.07	.0456	.5201
:18	.07	.0508	1.1071	:01	.02	.0169	.0026	:20 <sup>2</sup>	.05	.0318	.2371	12:00 <sup>2</sup>	.05	.0362	.5221
:30	.07	.0456	1.1171	:02	.02	.0108	.0028	:23 <sup>2</sup>	.04	.0239	.2385				
:40	.06	.0408	1.1238	:05	.01	.0061	.0032	:26 <sup>2</sup>	.02	.0169	.2395	p. m.			
:50	.07	.0456	1.1310	:07	.01	.0042	.0034	:29 <sup>2</sup>	.02	.0108	.2402	12:02 <sup>2</sup>	.04	.0278	.5232
12:00	.07	.0456	1.1386	:08	.01	.0061	.0035	:34 <sup>2</sup>	.01	.0061	.2409	:06 <sup>2</sup>	.03	.0204	.5248
p. m.				:09	.03	.0204	.0037	:41 <sup>2</sup>	T	.0026	.2416	:10 <sup>2</sup>	.02	.0137	.5259
12:15	.05	.0362	1.1488	:10	.11	.0740	.0045	:49 <sup>2</sup>	T	.0012	.2419	:15 <sup>2</sup>	.01	.0083	.5268
:45	.05	.0318	1.1658	:11	.35	.237	.0071	8:00 <sup>2</sup>	T	.0012	.2421	:21 <sup>2</sup>	.01	.0042	.5274
1:00	.05	.0362	1.1743	:12	.50	.342	.0120	:04 <sup>2</sup>	.01	.0042	.2423	:35 <sup>2</sup>	T	.0012	.5281
2:00	.05	.0362	1.2105	:14	.48	.328	.0234	:06 <sup>2</sup>	.01	.0083	.2425	1:00 <sup>2</sup>	0	0	.5284
:30	.05	.0318	1.2273	:16	.61	.419	.0360	:08 <sup>2</sup>	.02	.0137	.2429				
5:30	.05	.0318	1.3227	:17	.59	.402	.0430	:09 <sup>2</sup>	.03	.0204	.2432				
6:00	.04	.0278	1.3371	:18	.42	.287	.0488	:10	.04	.0278	.2436	1:58	0	0	0
8:00	.04	.0278	1.3927	:19	.28	.192	.0529	:11	.05	.0362	.2441	:59	T	.0012	.0004
:30	.05	.0318	1.4071	:20	.18	.126	.0556	:12	.07	.0456	.2448	2:00	.06	.0408	.0020
9:00	.04	.0278	1.4215	:21	.12	.0805	.0574	:15	.08	.0562	.2473	:01	.21	.143	.0078
12:00	.04	.0278	1.5049	:22	.08	.0562	.0586	:20	.07	.0508	.2518	:02	.79	.542	.0078
				:23	.06	.0408	.0594	:23 <sup>2</sup>	.06	.0408	.2546	:03	.88	.600	.0175
				:24	.04	.0278	.0600	:26 <sup>2</sup>	.05	.0318	.2577	:04	.71	.487	.0267
				:25	.03	.0204	.0604	:28 <sup>2</sup>	.04	.0239	.2586	:05	.52	.356	.0339
				:26 <sup>2</sup>	.02	.0137	.0607	:31 <sup>2</sup>	.02	.0169	.2596	:06	.40	.274	.0393
				:29 <sup>2</sup>	.01	.0083	.0613	:35 <sup>2</sup>	.02	.0108	.2606	:09	.30	.203	.0512
				:33 <sup>2</sup>	.01	.0042	.0617	:40 <sup>2</sup>	.01	.0083	.2614	:12	.27	.181	.0608
				:40 <sup>2</sup>	T	.0012	.0620	:43 <sup>2</sup>	.02	.0137	.2619	:15	.21	.143	.0689
				:55 <sup>2</sup>	0	0	.0622	:44 <sup>2</sup>	.03	.0204	.2622	:17	.16	.109	.0731
				May 20-23	0	0	0	:46 <sup>2</sup>	.05	.0318	.2631	:19 <sup>2</sup>	.12	.0805	.0764
				May 24 <sup>16</sup>				:48	.06	.0408	.2643	:20 <sup>2</sup>	.10	.0678	.0777
				a. m.				:50	.07	.0508	.2656	:21 <sup>2</sup>	.08	.0562	.0788
				2:25	0	0	0	:59	.08	.0562	.2736	:23 <sup>2</sup>	.07	.0456	.0805
				:45	T	.0026	.0004	9:00	.09	.0618	.2746	:25 <sup>2</sup>	.05	.0362	.0819
				3:00	.01	.0061	.0015	:01	.11	.0740	.2758	:27 <sup>2</sup>	.04	.0278	.0830
				:05	.01	.0083	.0021	:02	.15	.102	.2773	:29 <sup>2</sup>	.03	.0204	.0838
				:25	.01	.0083	.0049	:03	.16	.109	.2791	:31 <sup>2</sup>	.02	.0137	.0844
				:40	.02	.0108	.0073	:04	.18	.126	.2811	:34 <sup>2</sup>	.01	.0083	.0850
				:45	.03	.0204	.0086	:05	.28	.192	.2838	:38 <sup>2</sup>	.01	.0042	.0854
				:47	.04	.0278	.0094	:06	.46	.313	.2881	:45 <sup>2</sup>	T	.0012	.0857
				:49	.05	.0362	.0105	:07	.74	.505	.2951	:55 <sup>2</sup>	0	0	.0858
				:52	.07	.0456	.0125	:10	.50	.342	.3162				
				4:00	.05	.0362	.0179	:12	.36	.248	.3259	May 25-28	0	0	0
				:04	.04	.0278	.0211	:14	.27	.181	.3330	May 29-30 <sup>17</sup>	.85	.580	
				:09	.03	.0204	.0231	:17	.20	.134	.3409	May 31- June 7	0	0	0
				:15	.02	.0137	.0248	:20	.16	.109	.3470	June 8 <sup>18</sup>			
				:23 <sup>2</sup>	.01	.0083	.0263	:24	.14	.0944	.3538	p. m.			
				:31 <sup>2</sup>	.01	.0042	.0271	:35 <sup>2</sup>	.12	.0805	.3705	4:24	0	0	0
				:48 <sup>2</sup>	T	.0012	.0272	:39 <sup>2</sup>	.10	.0678	.3754	:25	.01	.0083	.0001
				5:00 <sup>2</sup>	T	.0012	.0273	:42 <sup>2</sup>	.08	.0562	.3785	:26	.21	.143	.0014
				:33 <sup>2</sup>	T	T	.0274	:47 <sup>2</sup>	.07	.0456	.3827	:27	.97	.661	.0082
				:37 <sup>2</sup>	T	T		:49 <sup>2</sup>	.08	.0562	.3844	:28	1.34	.917	.0216
				:39 <sup>2</sup>	.01	.0026	.0275	:51 <sup>2</sup>	.10	.0678	.3865	:29	1.03	.705	.0354
				:41 <sup>2</sup>	.01	.0011	.0276	:55	.11	.0740	.3912	:30	.74	.505	.0453
				:43	.02	.0108	.0278	10:00	.09	.0618	.3974	:31	.57	.387	.0532
				:44	.02	.0169	.0282	:07	.07	.0508	.4019	:32	.44	.300	.0597
				:45	.04	.0278	.0286	:12 <sup>2</sup>	.06	.0408	.4085	:33	.44	.300	.0643
				:47	.07	.0456	.0292	:16 <sup>2</sup>	.05	.0318	.4109	:34	.46	.313	.0695
				:49	.10	.0678	.0301	:21 <sup>2</sup>	.04	.0239	.4132	:35	.30	.203	.0739
				:54	.14	.0944	.0315	:28 <sup>2</sup>	.02	.0169	.4156	:36	.22	.152	.0769
				6:00	.13	.0873	.0390	:34 <sup>2</sup>	.02	.0137	.4187	:37	.15	.102	.0791
				:03	.17	.117	.0492	:38 <sup>2</sup>	.03	.0204	.4207	:38 <sup>2</sup>	.11	.0740	.0806
				:09	.20	.134	.0555	:42 <sup>2</sup>	.04	.0278	.4219	:39 <sup>2</sup>	.08	.0562	.0817
				:12	.12	.0805	.0712	:45 <sup>2</sup>	.06	.0408	.4230	:40 <sup>2</sup>	.07	.0456	.0826
				:16	.16	.109	.0775	:49	.07	.0508	.4246	:41 <sup>2</sup>	.05	.0362	.0833
				:21	.13	.0873	.0857	:52	.08	.0562	.4273	:43 <sup>2</sup>	.04	.0239	.0843
				:23	.16	.109	.0889	11:00 <sup>2</sup>	.07	.0456	.4341	:45 <sup>2</sup>	.02	.0169	.0850
				:25	.20	.134	.0930	:05 <sup>2</sup>	.05	.0362	.4375	:47 <sup>2</sup>	.02	.0108	.0855
				:26	.25	.171	.0956	:15 <sup>2</sup>	.04	.0278	.4428	:50 <sup>2</sup>	.01	.0061	.0859
				:27	.33	.224	.0990	:18 <sup>2</sup>	.05	.0362	.4447	:56 <sup>2</sup>	T	.0026	.0863
				:28	.46	.313	.1036	:21	.10	.0678	.4464	5:00 <sup>2</sup>	T	.0012	.0864
				:29	.54	.371	.1094	:22	.14	.0944	.4478	:15 <sup>2</sup>	0	0	.0865
				:32	.42	.287	.1237	:23	.21	.143	.4498				

<sup>2</sup> Corrections for silt or ice conditions were estimated and applied to observed gage heights.

<sup>14</sup> Total rainfall for storm of May 6, 0.75 inch. Wheat 6½ inches high. Clover and grass ½ inch high. Soil wet and soft.

<sup>15</sup> Total rainfall for storm of May 19, 0.33 inch. Wheat 9 inches high. Clover and grass ½ inch high. Soil dry and loose.

<sup>16</sup> Total rainfall for storms of May 23, 0.16 inch, and May 24, 1.55 inches. Wheat

10 inches high. Clover and grass 1 inch high. Soil dry and loose.

<sup>17</sup> Total rainfall for storms of May 29, 0.28 inch and May 30, 0.93 inch. Wheat 14 inches high. Clover and grass 1½ inches, weeds 1 inch high. Soil dry and loose. Rates are for the peak of the storm. No record of amount.

<sup>18</sup> Total rainfall for storm of June 8, 0.47 inch. Wheat 19 inches high. Clover, grass, and weeds 2 inches high. Soil dry and soft.



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
June 9 <sup>10</sup>			June 11 <sup>21</sup>			June 12 <sup>22</sup>			June 18 <sup>23</sup>		
a. m.	Second-foot	Inches per hour	a. m.	Second-foot	Inches per hour	p. m.	Second-foot	Inches per hour	a. m.	Second-foot	Inches per hour
1:27	0	0	4:04	0.01	0.0083	1:20	0.01	0.0042	10:34	0.01	0.0042
2:29	T	.0026	4:06	0.02	0.0137	2:21	.14	.0944	3:36	T	.0026
3:30	.01	.0061	4:07	.03	.0204	2:22	.82	.561	3:55	0	0
3:31	.02	.0137	4:08	.05	.0318	2:23	2.42	1.66	4:09	0	0
3:32	.04	.0239	4:09	.06	.0408	2:24	3.10	2.12	4:11	T	.0026
3:33	.05	.0362	4:10	.07	.0508	2:25	2.69	1.84	4:12	.01	.0083
3:34	.07	.0508	4:11	.09	.0618	2:26	1.97	1.35	4:13	.02	.0137
3:35	.10	.0678	4:12	.11	.0740	2:27	1.42	.971	4:14	.10	.0678
3:37	.08	.0562	4:14	.13	.0873	2:28	.91	.620	4:15	.14	.0944
3:39	.07	.0456	4:17	.11	.0740	2:29	.64	.435	4:16	.17	.117
4:12	.05	.0362	4:19	.09	.0618	3:01	.42	.287	4:17	.30	.203
4:44	.04	.0278	4:22	.07	.0508	3:31	.30	.203	4:18	.52	.356
4:47	.03	.0204	4:26	.06	.0408	3:32	.24	.161	4:19	.66	.452
5:12	.02	.0137	4:29	.05	.0318	3:33	.17	.117	4:21	.54	.371
5:17	.01	.0083	4:34	.04	.0239	3:42	.14	.0944	4:22	.42	.287
2:00	.01	.0061	4:38	.02	.0169	3:52	.11	.0740	4:23	.33	.224
10:12	T	.0026	4:44	.02	.0108	3:56	.09	.0618	4:24	.24	.161
17:17	T	.0012	5:12	.01	.0061	3:58	.07	.0456	4:25	.17	.117
30:12	0	0	5:00	T	.0026	4:02	.05	.0362	4:26	.14	.0944
June 10 <sup>20</sup>			15:12	0	0	4:42	.04	.0278	4:27	.11	.0740
p. m.			12:22	0	0	4:44	.03	.0204	4:28	.09	.0618
1:25	0	0	12:24	T	.0012	4:46	.02	.0137	4:29	.07	.0508
2:26	T	.0026	12:25	.01	.0061	4:49	.01	.0083	4:30	.06	.0408
2:27	T	.0108	12:26	.05	.0362	4:52	.01	.0042	4:32	.05	.0318
2:28	.10	.0204	12:27	.21	.143	2:00	T	.0012	4:34	.04	.0239
2:29	.82	.561	12:28	.30	.203	15:12	0	0	4:36	.02	.0169
3:01	1.83	1.25	12:29	.22	.152	8:55	0	0	4:38	.02	.0108
3:02	2.02	1.38	12:30	.16	.109	8:56	.01	.0042	4:41	.01	.0061
3:03	1.83	1.25	12:31	.13	.0873	8:57	.02	.0108	4:42	T	.0026
3:04	1.70	1.16	12:32	.08	.0562	8:58	.07	.0456	4:43	0	0
3:05	1.27	.869	12:33	.07	.0456	8:59	.97	.661	4:44	0	0
3:07	.85	.580	12:34	.05	.0318	9:00	2.75	1.88	4:45	.01	.0012
3:09	1.06	.726	12:35	.04	.0278	9:01	3.61	2.47	4:46	.01	.0042
4:03	.82	.561	12:36	.03	.0204	9:02	3.35	2.29	4:47	.01	.0083
4:05	.59	.402	12:39	.02	.0137	9:03	2.98	2.04	4:48	.03	.0204
4:06	.46	.313	12:41	.01	.0083	9:04	2.12	1.45	4:49	.11	.0740
4:07	.36	.248	12:42	.01	.0042	9:05	1.58	1.08	4:50	.40	.274
4:08	.27	.181	12:44	T	.0026	9:06	1.13	.773	4:51	.52	.356
4:09	.21	.143	12:45	T	.0026	9:07	.82	.561	4:52	.66	.452
4:10	.15	.102	12:46	0	0	9:08	.61	.419	4:53	.88	.600
4:12	.11	.0740	12:47	0	0	9:09	.44	.300	4:54	1.16	.793
4:13	.09	.0618	12:48	0	0	9:10	.33	.224	4:55	1.70	1.16
4:14	.07	.0508	12:49	.02	.0169	9:11	.27	.181	4:56	2.42	1.66
4:15	.06	.0408	12:50	.07	.0508	9:12	.20	.134	4:57	2.98	2.04
4:16	.05	.0318	12:51	.02	.0137	9:13	.15	.102	4:58	3.88	2.65
4:17	.04	.0239	12:52	.07	.0508	9:14	.14	.0944	4:59	4.39	3.00
4:18	.03	.0204	12:53	.36	.248	9:15	.11	.0740	5:00	4.69	3.21
4:19	.02	.0137	12:54	.71	.487	9:16	.08	.0562	5:01	4.54	3.11
4:20	.01	.0083	12:55	1.00	.683	9:17	.07	.0456	5:02	3.35	2.29
4:21	.01	.0042	12:56	1.16	.793	9:18	.05	.0362	5:03	2.75	1.88
4:22	T	.0012	12:57	1.06	.726	9:19	.04	.0278	5:04	2.58	1.76
4:23	0	0	12:58	.85	.580	9:20	.03	.0204	5:05	3.04	2.08
June 11 <sup>21</sup>			12:59	.61	.419	9:21	.02	.0137	5:06	3.81	2.61
a. m.			1:00	.42	.287	9:22	.01	.0083	5:07	4.31	2.95
3:55	0	0	1:01	.31	.213	9:23	.01	.0042	5:08	4.17	2.85
4:00	T	.0012	1:02	.25	.171	9:24	T	.0012	5:09	3.61	2.47
4:02	.01	.0042	1:03	.30	.203	9:25	0	0	5:10	2.64	1.81
June 12 <sup>22</sup>			1:04	.46	.313	9:26	0	0	5:11	1.66	1.14
p. m.			1:05	.76	.523	9:27	0	0	5:12	1.20	.821
1:19	0	0	1:06	1.06	.726	9:28	0	0	5:13	.88	.600
June 13-17			1:07	1.13	.773	9:29	0	0	5:14	.66	.452
June 18 <sup>23</sup>			1:08	1.06	.726	9:30	0	0	5:15	.54	.371
a. m.			1:09	.88	.600	9:31	0	0	5:16	.40	.274
8:19	0	0	1:10	.64	.435	9:32	0	0	5:17	.31	.213
8:20	T	.0026	1:11	.44	.300	9:33	.01	.0061	5:18	.24	.161
8:21	.01	.0061	1:12	.30	.203	9:34	.01	.0083	5:19	.18	.126
8:22	.01	.0083	1:13	.21	.143	9:35	.01	.0042	5:20	.15	.102
8:23	.01	.0042	1:14	.16	.109	9:36	.01	.0012	5:21	.12	.0805
8:24	T	.0012	1:15	.12	.0805	9:37	0	0	5:22	.10	.0678
8:25	0	0	1:16	.10	.0678	9:38	0	0	5:23	.08	.0562
8:26	0	0	1:17	.08	.0562	9:39	0	0	5:24	.07	.0456
8:27	0	0	1:18	.06	.0408	9:40	0	0	5:25	.05	.0362
8:28	0	0	1:19	.05	.0318	9:41	T	.0026	5:26	.04	.0278
8:29	0	0	1:20	.04	.0278	9:42	.01	.0061	5:27	.03	.0204
8:30	0	0	1:21	.03	.0204	9:43	.02	.0108	5:28	.02	.0137
8:31	0	0	1:22	.02	.0137	9:44	.01	.0061	5:29	.01	.0083
8:32	0	0	1:23	.01	.0083	9:45	T	.0026	5:30	0	0
8:33	0	0	1:24	T	.0012	9:46	0	0	5:31	T	.0012
8:34	0	0	1:25	0	0	9:47	0	0	5:32	0	0
8:35	0	0	1:26	0	0	9:48	0	0	5:33	0	0
8:36	0	0	1:27	0	0	9:49	0	0	5:34	0	0
8:37	0	0	1:28	0	0	9:50	0	0	5:35	0	0
8:38	0	0	1:29	0	0	9:51	0	0	5:36	0	0
8:39	0	0	1:30	0	0	9:52	0	0	5:37	0	0
8:40	0	0	1:31	0	0	9:53	0	0	5:38	0	0
8:41	0	0	1:32	0	0	9:54	0	0	5:39	0	0
8:42	0	0	1:33	0	0	9:55	0	0	5:40	0	0
8:43	0	0	1:34	0	0	9:56	0	0	5:41	0	0
8:44	0	0	1:35	0	0	9:57	0	0	5:42	0	0
8:45	0	0	1:36	0	0	9:58	0	0	5:43	0	0
8:46	0	0	1:37	0	0	9:59	0	0	5:44	0	0
8:47	0	0	1:38	0	0	10:00	0	0	5:45	0	0
8:48	0	0	1:39	0	0	10:01	0	0	5:46	0	0
8:49	0	0	1:40	0	0	10:02	0	0	5:47	0	0
8:50	0	0	1:41	0	0	10:03	0	0	5:48	0	0
8:51	0	0	1:42	0	0	10:04	0	0	5:49	0	0
8:52	0	0	1:43	0	0	10:05	0	0	5:50	0	0
8:53	0	0	1:44	0	0	10:06	0	0	5:51	0	0
8:54	0	0	1:45	0	0	10:07	0	0	5:52	0	0
8:55	0	0	1:46	0	0	10:08	0	0	5:53	0	0
8:56	0	0	1:47	0	0	10:09	0	0	5:54	0	0
8:57	0	0	1:48	0	0	10:10	0	0	5:55	0	0
8:58	0	0	1:49	0	0	10:11	0	0	5:56	0	0
8:59	0	0	1:50	0	0	10:12	0	0	5:57	0	0
9:00	0	0	1:51	0	0	10:13	0	0	5:58	0	0
9:01	0	0	1:52	0	0	10:14	0	0	5:59	0	0
9:02	0	0	1:53	0	0	10:15	0	0	6:00	0	0
9:03	0	0	1:54	0	0	10:16	0	0	6:01	0	0
9:04	0	0	1:55	0	0	10:17	0	0	6:02	0	0
9:05	0	0	1:56	0	0	10:18	0	0	6:03	0	0
9:06	0	0	1:57	0	0	10:19	0	0	6:04	0	0
9:07	0	0	1:58	0	0	10:20	0	0	6:05	0	0
9:08	0	0	1:59	0	0	10:21	0	0	6:06	0	0
9:09	0	0	2:00	0	0	10:22	0	0	6:07	0	0
9:10	0	0	2:01	0	0	10:23	0	0	6:08	0	0
9:11	0	0	2:02	0	0	10:24	0	0	6:09	0	0
9:12	0	0	2:03	0	0	10:25	0	0	6:10	0	0
9:13	0	0	2:04	0	0	10:26	0	0	6:11	0	0
9:14	0	0	2:05	0	0	10:27	0	0	6:12	0	0
9:15	0	0	2:06	0	0	10:28	0	0	6:13	0	0
9:16	0	0	2:07	0	0	10:29	0	0	6:14	0	0
9:17	0										



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
June 23 <sup>24</sup>				June 26 <sup>25</sup>				June 28 <sup>27</sup>				July 22 <sup>30</sup>			
p. m.				p. m.				a. m.				p. m.			
8:24-----	0	0	0	12:52 <sup>2</sup> -----	0	0	0.0252	9:52 <sup>2</sup> -----	0.15	0.102	0.0226	3:43-----	0.31	0.213	0.3023
:25-----	.01	.0042	.0001	:56 <sup>2</sup> -----	0	0	.0253	:55 <sup>2</sup> -----	.16	.109	0.0279	:45 <sup>2</sup> -----	.25	.171	.3086
:26-----	.01	.0083	.0001					10:00 <sup>2</sup> -----	.22	.152	0.0387	:47 <sup>2</sup> -----	.20	.134	.3137
:27-----	.28	.192	.0018	June 27-----	0	0	0	:04 <sup>2</sup> -----	.31	.213	0.0509	:49 <sup>2</sup> -----	.16	.109	.3177
:28-----	1.42	.971	.0117					:06 <sup>2</sup> -----	.28	.192	0.0576	:51 <sup>2</sup> -----	.12	.0805	.3208
:29-----	2.98	2.04	.0296	June 28 <sup>27</sup>				:10 <sup>2</sup> -----	.21	.143	0.0688	:53 <sup>2</sup> -----	.10	.0678	.3232
:30-----	3.75	2.57	.0589					:13 <sup>2</sup> -----	.16	.109	0.0751	:54 <sup>2</sup> -----	.08	.0562	.3243
:31-----	4.39	3.00	.1062	a. m.				:16 <sup>2</sup> -----	.12	.0805	0.0798	:56 <sup>2</sup> -----	.07	.0456	.3260
:33-----	3.61	2.47	.1528	7:45-----	0	0	0	:18 <sup>2</sup> -----	.10	.0678	0.0823	:58 <sup>2</sup> -----	.05	.0362	.3274
:34-----	2.80	1.92	.1902	:46-----	.36	.248	.0021	:20 <sup>2</sup> -----	.08	.0562	0.0844	4:00 <sup>2</sup> -----	.04	.0278	.3285
:35-----	1.97	1.35	.2179	:47-----	1.93	1.32	.0154	:22 <sup>2</sup> -----	.07	.0456	0.0861	:03 <sup>2</sup> -----	.03	.0204	.3297
:36-----	1.38	.944	.2371	:48-----	3.22	2.20	.0453	:24 <sup>2</sup> -----	.05	.0362	0.0875	:06 <sup>2</sup> -----	.02	.0137	.3306
:37-----	1.00	.683	.2509	:49-----	3.29	2.25	.0831	:27 <sup>2</sup> -----	.04	.0278	0.0891	:10 <sup>2</sup> -----	.01	.0083	.3313
:38-----	.76	.523	.2612	:50-----	2.80	1.92	.1186	:30 <sup>2</sup> -----	.03	.0204	0.0903	:15 <sup>2</sup> -----	.01	.0042	.3319
:39-----	.57	.387	.2690	:51-----	2.12	1.45	.1473	:33 <sup>2</sup> -----	.02	.0137	0.0912	:20 <sup>2</sup> -----	T	.0026	.3322
:40-----	.46	.313	.2750	:52-----	1.79	1.22	.1699	:37 <sup>2</sup> -----	.01	.0083	0.0919	:28 <sup>2</sup> -----	T	.0012	.3325
:42-----	.33	.224	.2839	:53-----	1.70	1.16	.1901	:41 <sup>2</sup> -----	.01	.0042	0.0923	:40 <sup>2</sup> -----	0	0	.3326
:44 <sup>2</sup> -----	.24	.161	.2903	:54-----	1.79	1.22	.2189	:50 <sup>2</sup> -----	T	.0012	0.0927				
:46 <sup>2</sup> -----	.18	.126	.2951	:55-----	1.66	1.14	.2389	11:00 <sup>2</sup> -----	0	0	0.0928				
:48 <sup>2</sup> -----	.14	.0944	.2987	:56-----	1.34	.917	.2564					July 23 <sup>31</sup>			
:50 <sup>2</sup> -----	.11	.0740	.3015	:57-----	1.10	.749	.2706	June 29-----	0	0	0	12:27-----	0	0	0
:52 <sup>2</sup> -----	.08	.0562	.3037	:58-----	.82	.561	.2817	June 30-----				:28-----	.02	.0108	.0001
:54 <sup>2</sup> -----	.07	.0456	.3054	:59-----	.61	.419	.2900	July 1 <sup>28</sup> -----	.30	.203		:29-----	.12	.0805	.0009
:56 <sup>2</sup> -----	.05	.0362	.3068	8:00-----	.48	.328	.2964					:30-----	.24	.161	.0030
:58 <sup>2</sup> -----	.04	.0278	.3079	:03-----	.35	.237	.3108	July 2-10-----	0	0	0	:31-----	.40	.274	.0067
9:00 <sup>2</sup> -----	.03	.0204	.3087	:04-----	.38	.261	.3150	July 11 <sup>29</sup>				:32-----	.54	.371	.0122
:03 <sup>2</sup> -----	.02	.0137	.3096	:05-----	.57	.387	.3205	p. m.				:33-----	.66	.452	.0192
:06 <sup>2</sup> -----	.01	.0083	.3102	:06-----	.66	.452	.3276	5:24-----	0	0	0	:35-----	.52	.356	.0261
:09 <sup>2</sup> -----	.01	.0042	.3105	:08-----	.48	.328	.3342	:25-----	T	.0012		:37-----	.36	.248	.0362
:15 <sup>2</sup> -----	T	.0012	.3108	:09-----	.54	.371	.3402	:27-----	0	0	0	:39-----	.27	.181	.0433
:20 <sup>2</sup> -----	0	0	.3109	:10-----	.88	.600	.3484	:28-----	T	.0012		:41 <sup>2</sup> -----	.21	.143	.0487
June 24-----	0	0	0	:11-----	1.58	1.08	.3544	:29-----	.01	.0083	.0001	:43 <sup>2</sup> -----	.16	.109	.0523
June 25 <sup>25</sup>				:12-----	2.12	1.45	.3566	:30-----	.02	.0108	.0003	:46 <sup>2</sup> -----	.11	.0740	.0575
p. m.				:13-----	2.26	1.55	.3821	:31-----	.01	.0083	.0001	:48 <sup>2</sup> -----	.09	.0618	.0597
7:10-----	0	0	0	:14-----	1.97	1.35	.4067	:32-----	.02	.0108	.0003	:49 <sup>2</sup> -----	.07	.0508	.0607
:11-----	.01	.0042	.0003	:15-----	1.50	1.03	.4269	:33-----	.03	.0204	.0010	:51 <sup>2</sup> -----	.06	.0408	.0622
:12-----	.01	.0083	.0003	:16-----	.97	.661	.4413	:34-----	.07	.0508	.0016	:53 <sup>2</sup> -----	.05	.0318	.0634
:13-----	.04	.0278	.0003	:17-----	.71	.487	.4511	:35-----	.15	.102	.0029	:55 <sup>2</sup> -----	.04	.0239	.0643
:14-----	.36	.248	.0026	:19-----	.48	.328	.4641	:36-----	.27	.181	.0053	:57 <sup>2</sup> -----	.03	.0204	.0650
:15-----	.54	.371	.0079	:21-----	.33	.224	.4732	:37-----	.28	.192	.0085	1:00 <sup>2</sup> -----	.02	.0137	.0659
:18-----	.40	.274	.0233	:23-----	.25	.171	.4797	:38-----	.21	.143	.0169	:04 <sup>2</sup> -----	.01	.0083	.0665
:19-----	.35	.237	.0277	:25-----	.18	.126	.4846	:39-----	.17	.117	.0212	:08 <sup>2</sup> -----	.01	.0042	.0671
:20-----	.27	.181	.0313	:28 <sup>2</sup> -----	.13	.0873	.4900	:41-----	.11	.0740	.0244	:21 <sup>2</sup> -----	T	.0012	.0672
:21-----	.18	.126	.0331	:30 <sup>2</sup> -----	.10	.0678	.4926	:43-----	.08	.0562	.0255	:30 <sup>2</sup> -----	0	0	.0673
:22-----	.14	.0944	.0349	:32 <sup>2</sup> -----	.07	.0508	.4946	:44-----	.06	.0408	.0263				
:23-----	.11	.0740	.0363	:34 <sup>2</sup> -----	.06	.0408	.4961	:45-----	.05	.0318	.0269	5:08-----	0	0	.0001
:24-----	.08	.0562	.0374	:36 <sup>2</sup> -----	.05	.0318	.4973	:46-----	.04	.0239	.0274	:10-----	T	.0026	.0002
:25 <sup>2</sup> -----	.07	.0456	.0383	:38 <sup>2</sup> -----	.04	.0239	.4982	:47-----	.02	.0169	.0277	:12-----	.01	.0061	.0005
:26 <sup>2</sup> -----	.05	.0362	.0390	:40 <sup>2</sup> -----	.03	.0204	.4989	:48-----	.02	.0108	.0282	:13-----	.04	.0239	.0011
:27 <sup>2</sup> -----	.04	.0278	.0395	:42 <sup>2</sup> -----	.02	.0137	.4995	:50-----	.01	.0083	.0285	:14-----	.07	.0456	.0030
:29 <sup>2</sup> -----	.03	.0204	.0403	:44 <sup>2</sup> -----	.01	.0083	.5000	:52-----	.01	.0083	.0285	:15-----	.27	.181	.0078
:30 <sup>2</sup> -----	.02	.0137	.0406	:48 <sup>2</sup> -----	.01	.0042	.5003	:54-----	.01	.0042	.0287	:16-----	.57	.387	.0159
:32 <sup>2</sup> -----	.01	.0083	.0409	:55 <sup>2</sup> -----	T	.0012	.5004	6:00-----	T	.0012	.0290	:17-----	.82	.561	.0250
:36 <sup>2</sup> -----	.01	.0042	.0413	:56 <sup>2</sup> -----	.01	.0061	.5005	:10-----	0	0	.0291	:18-----	.74	.505	.0329
:40 <sup>2</sup> -----	T	.0012	.0415	:57 <sup>2</sup> -----	.03	.0204	.5007	July 12-21-----	0	0	0	:19-----	.61	.419	.0448
:45 <sup>2</sup> -----	0	0	.0416	:58-----	.10	.0678	.5008	July 22 <sup>30</sup>				:21-----	.44	.300	.0573
June 26 <sup>26</sup>				:59-----	.82	.561	.5061	p. m.				:24-----	.30	.203	.0632
p. m.				9:00-----	3.35	2.29	.5304	3:02-----	0	0	0	:26 <sup>2</sup> -----	.22	.152	.0698
12:25-----	0	0	0	:01-----	3.61	2.47	.5709	:06-----	T	.0012	.0001	:29 <sup>2</sup> -----	.16	.109	.0730
:26-----	.01	.0061	.0001	:02-----	3.10	2.12	.6098	:08-----	.01	.0042	.0002	:31 <sup>2</sup> -----	.13	.0873	.0756
:27-----	.04	.0278	.0004	:03-----	2.53	1.73	.6426	:10-----	.01	.0083	.0003	:33 <sup>2</sup> -----	.10	.0678	.0776
:28-----	.12	.0805	.0013	:04-----	1.93	1.32	.6684	:11-----	.03	.0204	.0005	:35 <sup>2</sup> -----	.08	.0562	.0793
:29-----	.42	.287	.0044	:05-----	1.50	1.03	.6883	:12-----	.03	.0204	.0005	:37 <sup>2</sup> -----	.07	.0456	.0807
:30-----	.36	.248	.0090	:06-----	1.06	.726	.7032	:13-----	.03	.0204	.0005	:39 <sup>2</sup> -----	.05	.0362	.0818
:31-----	.28	.192	.0127	:07-----	.91	.620	.7146	:14-----	.03	.0204	.0005	:41 <sup>2</sup> -----	.04	.0278	.0830
:32-----	.20	.134	.0155	:08-----	1.13	.773	.7265	:15-----	.03	.0204	.0005	:44 <sup>2</sup> -----	.03	.0204	.0839
:33-----	.15	.102	.0175	:09-----	1.93	1.32	.7444	:16-----	1.50	1.03	.0160	:47 <sup>2</sup> -----	.02	.0137	.0845
:34 <sup>2</sup> -----	.12	.0805	.0191	:10-----	3.22	2.20	.7744	:18-----	1.31	.896	.0478	:50 <sup>2</sup> -----	.01	.0083	.0850
:35 <sup>2</sup> -----	.09	.0618	.0203	:12-----	2.32	1.59	.8388	:20-----	.94	.640	.0730	:55 <sup>2</sup> -----	.01	.0042	.0852
:36 <sup>2</sup> -----	.07	.0508	.0213	:13-----	1.58	1.08	.8616	:22-----	.88	.600	.0931	6:00 <sup>2</sup> -----	T	.0012	.0853
:37 <sup>2</sup> -----	.06	.0408	.0221	:14-----	1.13	.773	.8774	:24-----	.88	.600	.1126	:06 <sup>2</sup> -----	0	0	.0853
:38 <sup>2</sup> -----	.05	.0318	.0227	:15-----	.88	.600	.8891	:25-----	1.03	.705	.1341				
:40 <sup>2</sup> -----	.03	.0204	.0236	:18-----	.64	.435	.9150	:26-----	1.38	.944	.1613	7:44-----	0	0	0
:42 <sup>2</sup> -----	.02	.0137	.0242	:22 <sup>2</sup> -----	.44	.300	.9594	:27-----	1.16	.793	.2091	:45-----	T	.0026	.0001
:44 <sup>2</sup> -----	.01	.0083	.0246	:24 <sup>2</sup> -----	.36	.248	.9488	:28-----	.91	.620	.2324	:46-----	.01	.0061	.0004
:48 <sup>2</sup> -----	.01	.0042	.0250	:27 <sup>2</sup> -----	.28	.192	.9598	:29-----	.64	.435	.2498	:47-----	.28	.192	.0022
				:30 <sup>2</sup> -----	.24	.161	.9686	:31-----	.44	.300	.2682	:49-----	1.13	.773	.0104
				:32 <sup>2</sup> -----	.25	.171	.9872	:34-----	.35	.237	.2771	:50-----	3.88	2.65	.0395
				:42 <sup>2</sup> -----	.24	.161	1.0010	:36-----	.30	.203	.2844	:51-----	4.62	3.16	.0883
				:45 <sup>2</sup> -----	.21	.143	1.0086	:38-----	.33	.224	.2951	:54-----	3.61	2.47	.2298
				:50 <sup>2</sup> -----	.16	.109	1.0191	:41-----	.33	.224	.2951				

<sup>2</sup> Corrections for silt or ice conditions were estimated and applied to observed gage heights.

<sup>24</sup> Total rainfall for storm of June 23, 0.84 inch. Wheat 30 inches high. Clover, grass, and weeds 3½ inches high. Soil moist and soft.

<sup>25</sup> Total rainfall for storm of June 25, 0.20 inch. Wheat 31 inches high. Clover, grass, and weeds 3½ inches high. Soil moist and soft.



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
July 23				Aug. 18 <sup>34</sup>				Aug. 27 <sup>36</sup>				Aug. 27 <sup>36</sup>			
p. m.				p. m.				a. m.				p. m.			
7:56	2.80	1.92	0.3038	6:00	0	0	0	1:33	0.14	0.0944	0.1161	7:17	0.06	0.0456	0.0068
58	2.12	1.45	.3569	14	T	.0012	.0001	36	.18	.126	.1216	18	.08	.0562	.0077
8:00	1.79	1.22	.4004	15	.10	.0678	.0007	38	.17	.117	.1256	20	.10	.0678	.0097
02	1.34	.917	.4354	16	1.31	.896	.0089	41 <sup>2</sup>	.13	.0873	.1307	24	.11	.0740	.0144
03	1.13	.773	.4506	17	1.97	1.35	.0279	44 <sup>2</sup>	.10	.0678	.1346	26	.15	.102	.0173
04	.91	.620	.4625	18	2.07	1.42	.0515	45 <sup>2</sup>	.08	.0562	.1357	27	.18	.126	.0192
05	.76	.523	.4722	19	1.75	1.20	.0738	47 <sup>2</sup>	.07	.0456	.1374	31	.22	.152	.0285
06	.59	.402	.4801	20	1.34	.917	.0918	49 <sup>2</sup>	.05	.0362	.1388	33	.22	.152	.0335
08	.40	.274	.4913	21	1.03	.705	.1056	51 <sup>2</sup>	.04	.0278	.1399	37	.18	.126	.0428
10	.30	.203	.4992	22	.82	.561	.1164	53 <sup>2</sup>	.03	.0204	.1407	40	.14	.0944	.0483
12	.21	.143	.5049	25	.57	.387	.1401	56 <sup>2</sup>	.02	.0137	.1416	43	.10	.0678	.0524
14 <sup>2</sup>	.16	.109	.5091	28	.57	.387	.1595	2:00 <sup>2</sup>	.01	.0083	.1423	46	.08	.0562	.0555
17 <sup>2</sup>	.11	.0740	.5137	30	.44	.300	.1709	04 <sup>2</sup>	.01	.0042	.1427	49	.07	.0456	.0580
19 <sup>2</sup>	.09	.0618	.5159	32	.31	.213	.1794	11 <sup>2</sup>	T	.0012	.1430	53	.05	.0362	.0607
21 <sup>2</sup>	.07	.0456	.5177	33	.22	.152	.1825	20 <sup>2</sup>	0	0	.1431	57	.04	.0278	.0628
23 <sup>2</sup>	.05	.0362	.5190	35	.16	.109	.1868					8:00	.04	.0239	.0641
25 <sup>2</sup>	.04	.0278	.5201	37	.11	.0740	.1898	9:08	0	0	0	09	.02	.0169	.0672
28 <sup>2</sup>	.03	.0204	.5213	38	.08	.0562	.1909	09	.03	.0204	.0002	16	.02	.0108	.0688
31 <sup>2</sup>	.02	.0137	.5222	40	.06	.0408	.1925	10	.04	.0278	.0006	31	.01	.0083	.0712
34 <sup>2</sup>	.01	.0083	.5228	42	.04	.0278	.1936	11	.07	.0508	.0010	36	.02	.0108	.0720
38 <sup>2</sup>	.01	.0042	.5232	45	.03	.0204	.1948	15	.06	.0408	.0040	37	.02	.0169	.0722
46 <sup>2</sup>	T	.0012	.5236	48 <sup>2</sup>	.02	.0137	.1957	17	.07	.0456	.0054	38	.05	.0318	.0726
55 <sup>2</sup>	0	0	.5237	51 <sup>2</sup>	.01	.0083	.1963	18	.08	.0562	.0063	39	.18	.126	.0744
				55 <sup>2</sup>	.01	.0042	.1967	19	.12	.0805	.0075	40	.74	.505	.0798
				7:00 <sup>2</sup>	T	.0012	.1969	20	.20	.134	.0093	41	1.23	.841	.0912
July 24 <sup>32</sup>				15 <sup>2</sup>	0	0	.1971	21	.28	.192	.0121	42	1.62	1.11	.1078
p. m.								23	.38	.261	.0196	43	2.16	1.48	.1299
8:43	0	0	0	Aug. 19-25	0	0	0	25	.50	.342	.0296	44	2.86	1.96	.1591
45	T	.0012	0					27	.66	.452	.0427	45	3.48	2.38	.1960
46	.01	.0083	.0001	Aug. 26 <sup>33</sup>				28	.79	.542	.0512	47	2.86	1.96	.2676
47	.12	.0805	.0009	a. m.				30	.85	.580	.0697	49	2.12	1.45	.3237
48	.30	.203	.0033	12:15 <sup>2</sup>	0	0	0	33	.79	.542	.0945	51	1.50	1.03	.3646
49	.64	.435	.0087	18 <sup>2</sup>	T	.0012	.0001	35	.59	.402	.1101	52	1.23	.841	.3805
50	.82	.561	.0172	20 <sup>2</sup>	.01	.0061	.0001	37	.46	.313	.1219	53	1.06	.726	.3938
51	.61	.419	.0255	21 <sup>2</sup>	.02	.0108	.0002	39	.35	.237	.1310	54	.88	.600	.4050
53	.48	.328	.0379	22	.04	.0239	.0005	41	.25	.171	.1377	55	.69	.469	.4141
55	.33	.224	.0470	23	.06	.0408	.0011	43	.18	.126	.1426	57	.52	.356	.4211
57	.24	.161	.0533	24	1.62	1.11	.0140	46	.15	.102	.1483	59 <sup>2</sup>	.40	.274	.4291
9:00 <sup>2</sup>	.15	.102	.0599	25	1.20	.821	.0304	48	.20	.134	.1522	9:00 <sup>2</sup>	.35	.237	.4334
02 <sup>2</sup>	.12	.0805	.0629	27	1.06	.726	.0560	49	.28	.192	.1550	02 <sup>2</sup>	.28	.192	.4399
04 <sup>2</sup>	.09	.0618	.0652	28	.88	.600	.0673	50	.44	.300	.1591	04 <sup>2</sup>	.21	.143	.4450
06 <sup>2</sup>	.07	.0456	.0670	30	.66	.452	.0846	51	.61	.419	.1652	06 <sup>2</sup>	.17	.117	.4489
08 <sup>2</sup>	.05	.0362	.0684	31	.57	.387	.0917	53	.91	.620	.1824	08 <sup>2</sup>	.14	.0944	.4521
10 <sup>2</sup>	.04	.0278	.0695	32	.42	.287	.0974	54	1.13	.773	.1942	10 <sup>2</sup>	.11	.0740	.4546
12 <sup>2</sup>	.03	.0204	.0703	34	.27	.181	.1051	55	1.42	.971	.2090	12 <sup>2</sup>	.09	.0618	.4566
15 <sup>2</sup>	.02	.0137	.0712	36	.21	.143	.1104	57	1.66	1.14	.2438	14 <sup>2</sup>	.07	.0508	.4583
18 <sup>2</sup>	.01	.0083	.0718	38 <sup>2</sup>	.15	.102	.1144	10:00	1.54	1.05	.2988	16 <sup>2</sup>	.06	.0408	.4597
23 <sup>2</sup>	.01	.0042	.0723	40 <sup>2</sup>	.12	.0805	.1174	06	1.20	.821	.3924	18 <sup>2</sup>	.05	.0318	.4608
36 <sup>2</sup>	T	.0012	.0726	41 <sup>2</sup>	.10	.0678	.1187	10	.82	.561	.4385	21 <sup>2</sup>	.04	.0239	.4622
July 25	0	0	0	42 <sup>2</sup>	.08	.0562	.1198	15	.59	.402	.4787	24 <sup>2</sup>	.02	.0169	.4632
				44 <sup>2</sup>	.07	.0456	.1215	17	.76	.523	.4941	29 <sup>2</sup>	.02	.0108	.4644
July 26 <sup>33</sup>				46 <sup>2</sup>	.05	.0362	.1229	20	.91	.620	.5227	35 <sup>2</sup>	.01	.0061	.4653
p. m.				48 <sup>2</sup>	.04	.0278	.1240	27	.82	.561	.5909	44 <sup>2</sup>	T	.0026	.4661
7:54	0	0	0	50 <sup>2</sup>	.03	.0204	.1248	30	.74	.505	.6175	49 <sup>2</sup>	T	.0012	.4663
55	.01	.0061	.0001	53 <sup>2</sup>	.02	.0137	.1257	33	.57	.387	.6398	10:00	0	0	.4664
56	.03	.0204	.0002	56 <sup>2</sup>	.01	.0083	.1263	35	.44	.300	.6512	Aug. 28	0	0	0
57	.21	.143	.0016	1:00 <sup>2</sup>	.01	.0042	.1267	41	.24	.161	.6739	Aug. 29 <sup>37</sup>			
58	.57	.387	.0061	07 <sup>2</sup>	T	.0012	.1270	44 <sup>2</sup>	.17	.117	.6809	p. m.			
8:00	.82	.561	.0217	15 <sup>2</sup>	0	0	.1271	47 <sup>2</sup>	.13	.0873	.6911	4:20 <sup>2</sup>	0	0	0
02	1.16	.793	.0441	Aug. 27 <sup>36</sup>				49 <sup>2</sup>	.11	.0740	.6938	21 <sup>2</sup>	T	.0012	.0001
04	1.38	.944	.0727	a. m.				51 <sup>2</sup>	.18	.126	.6984	22 <sup>2</sup>	.01	.0042	.0004
06	1.06	.726	.1006	12:42	0	0	0	52	.20	.134	.7027	23 <sup>2</sup>	.02	.0108	.0010
08	.76	.523	.1212	44	T	.0012	.0001	54	.18	.126	.7070	24 <sup>2</sup>	.04	.0239	.0010
09	.59	.402	.1291	45	.01	.0042	.0001	56 <sup>2</sup>	.15	.102	.7108	25 <sup>2</sup>	.07	.0456	.0022
10	.46	.313	.1352	46	.04	.0239	.0003	11:00 <sup>2</sup>	.12	.0805	.7138	26	.14	.0944	.0022
12	.35	.237	.1443	47	.21	.143	.0017	04 <sup>2</sup>	.07	.0508	.7180	27	.33	.224	.0049
14	.27	.181	.1512	48	.50	.342	.0058	06 <sup>2</sup>	.06	.0408	.7195	28	.36	.248	.0089
17	.20	.134	.1591	49	.74	.505	.0130	08 <sup>2</sup>	.05	.0318	.7207	33	.36	.248	.0296
19	.15	.102	.1630	50	.94	.640	.0229	11 <sup>2</sup>	.04	.0239	.7221	36	.33	.224	.0414
22 <sup>2</sup>	.11	.0740	.1674	52	.82	.561	.0427	13 <sup>2</sup>	.02	.0169	.7228	39	.27	.181	.0516
24 <sup>2</sup>	.09	.0618	.1696	55	.54	.371	.0506	17 <sup>2</sup>	.02	.0108	.7237	41	.21	.143	.0554
26 <sup>2</sup>	.07	.0456	.1715	57	.36	.248	.0608	21 <sup>2</sup>	.01	.0061	.7243	43	.16	.109	.0596
28 <sup>2</sup>	.05	.0362	.1729	1:00	.24	.161	.0710	26 <sup>2</sup>	T	.0026	.7247	46	.12	.0805	.0643
30 <sup>2</sup>	.04	.0278	.1740	02	.17	.117	.0756	36 <sup>2</sup>	0	0	.7249	49	.09	.0618	.0679
33 <sup>2</sup>	.03	.0204	.1752	05	.12	.0805	.0805					50	.07	.0508	.0689
36 <sup>2</sup>	.02	.0137	.1761	07	.09	.0618	.0828	p. m.				52	.06	.0408	.0704
39 <sup>2</sup>	.01	.0083	.1767	09	.07	.0508	.0847	6:50	0	0	0	54 <sup>2</sup>	.05	.0318	.0716
44 <sup>2</sup>	.01	.0042	.1772	12	.07	.0456	.0871	51	.01	.0012	.0001	56 <sup>2</sup>	.04	.0239	.0725
52 <sup>2</sup>	T	.0012	.1776	16	.08	.0562	.0905	52	.01	.0042	.0009	59 <sup>2</sup>	.02	.0169	.0735
9:00 <sup>2</sup>	0	0	.1777	18	.11	.0740	.0927	55	.02	.0137	.0015	5:00 <sup>2</sup>	.02	.0137	.0738
July 27				20	.16	.109	.0957	58	.03	.0204	.0015	07 <sup>2</sup>	.02	.0137	.0751
Aug. 17	0	0	0	22	.17	.117	.0993	7:00	.02	.0137	.0043	08	.03	.0204	.0754
				27	.14	.0944	.1077	10	.02	.0169	.0053	09	.04	.0239	.0758
				31	.11	.0740	.1133	14	.03	.0204	.0056	10	.07	.0508	.0764
								16	.05	.0362	.0061	11	.10	.0678	.0774

<sup>2</sup> Corrections for silt or ice conditions were estimated and applied to observed gage heights.

<sup>32</sup> Total rainfall for storm of July 24, 0.25 inch. Grass 5 inches, clover 6 inches, weeds 7 inches high. Soil moist and soft.



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Aug. 29	Second-foot	Inches per hour	Inches	Aug. 30 <sup>35</sup>	Second-foot	Inches per hour	Inches	Sept. 10 <sup>40</sup>	Second-foot	Inches per hour	Inches	Nov. 1 <sup>42</sup>	Second-foot	Inches per hour	Inches
p. m.				a. m.				a. m.				a. m.			
5:12	0.30	0.203	0.0797	10:00	0.15	0.102	0.2780	1:59	0	0	0	9:15	T	0.0012	0.0069
:13	.36	.248	.0835	:06	.15	.102	.2882	2:00	.02	.0169	.0001	:20	T		
:17	.28	.192	.0982	:08	.14	.0944	.2915	:01	.04	.0278	.0005	:49	T		
:20	.24	.161	.1071	:12	.14	.0944	.2978	:02	.04	.0278	.0010	:51	T	.0012	
:24	.27	.181	.1185	:15	.17	.117	.3033	:03	.06	.0408	.0016	10:00	0	0	.0070
:28	.21	.143	.1293	:19	.22	.152	.3122	:05	.07	.0456	.0038	:24	0	0	
:32	.16	.109	.1377	:25	.27	.181	.3239	:10	.07	.0456	.0060	:28	T	.0026	.0071
:35	.13	.0873	.1426	:30	.33	.224	.3409	:15	.05	.0362	.0102	:34	T	.0026	.0074
:40	.10	.0678	.1491	:35	.40	.274	.3617	:19	.04	.0278	.0123	:37	.01	.0061	.0076
:45	.12	.0805	.1553	:37	.40	.274	.3708	:22	.03	.0204	.0135	:39	.02	.0108	.0079
:52	.10	.0678	.1640	:41	.35	.237	.3879	:25	.02	.0137	.0144	:44	.02	.0137	.0089
6:00	.10	.0678	.1730	:45	.28	.192	.4025	:29	.01	.0083	.0151	:50	.03	.0204	.0106
:04	.08	.0562	.1771	:49 <sup>2</sup>	.21	.143	.4136	:34	.01	.0042	.0156	11:00	.03	.0204	.0140
:07 <sup>2</sup>	.07	.0456	.1796	:54 <sup>2</sup>	.16	.109	.4241	:40	T	.0012	.0159	:02	.03	.0204	.0147
:09 <sup>2</sup>	.05	.0362	.1809	:57 <sup>2</sup>	.13	.0873	.4290	:46	0	0	.0160	:06	.04	.0278	.0163
:11 <sup>2</sup>	.04	.0278	.1820	11:00 <sup>2</sup>	.10	.0678	.4329					:08	.05	.0362	.0174
:14 <sup>2</sup>	.03	.0204	.1832	:02 <sup>2</sup>	.08	.0562	.4350	Sept. 11-				:10	.07	.0456	.0188
:18 <sup>2</sup>	.02	.0137	.1843	:05 <sup>2</sup>	.07	.0456	.4375	23	0	0	0	:12	.08	.0562	.0205
:22 <sup>2</sup>	.01	.0083	.1850	:08 <sup>2</sup>	.05	.0362	.4395	Sept. 24 <sup>41</sup>				:13	.10	.0678	.0216
:27 <sup>2</sup>	.01	.0042	.1853	:11 <sup>2</sup>	.05	.0318	.4412					:15	.11	.0740	.0239
:34 <sup>2</sup>	T	.0012	.1860	:14 <sup>2</sup>	.06	.0408	.4430	10:29	0	0	0	:17	.15	.102	.0268
:40 <sup>2</sup>	T	T	.1861	:16 <sup>2</sup>	.07	.0508	.4445	p. m.				:20	.16	.109	.0321
:42 <sup>2</sup>	T	.0026		:17 <sup>2</sup>	.09	.0618	.4454	:30	.16	.109	.0009	:25	.13	.0873	.0403
:44 <sup>2</sup>	.01	.0083	.1863	:21	.11	.0740	.4499	:31	.42	.287	.0043	:29	.10	.0678	.0455
:45 <sup>2</sup>	.02	.0169	.1869	:24	.10	.0678	.4534	:32	.57	.387	.0100	:31	.08	.0562	.0476
:46	.04	.0278	.1873	:26 <sup>2</sup>	.08	.0562	.4555	:33	.64	.435	.0161	:34	.07	.0456	.0501
:47	.07	.0508	.1880	:28 <sup>2</sup>	.07	.0456	.4572	:35	.59	.402	.0299	:38	.06	.0372	.0428
:48	.17	.117	.1894	:31 <sup>2</sup>	.05	.0362	.4592	:38	.44	.300	.0474	:48	.06	.0372	.0581
:49	.25	.171	.1919	:34 <sup>2</sup>	.04	.0278	.4608	:40	.33	.224	.0561	:51	.07	.0456	.0601
:53	.24	.161	.2030	:37 <sup>2</sup>	.03	.0204	.4620	:42	.25	.171	.0626	:55	.06	.0408	.0630
:57	.17	.117	.2126	:43 <sup>2</sup>	.02	.0137	.4637	:44	.18	.126	.0675	:57	.05	.0318	.0642
7:00	.13	.0873	.2177	:49 <sup>2</sup>	.03	.0204	.4654	:46	.13	.0873	.0710	12:00	.03	.0204	.0655
:03	.10	.0678	.2216	:51 <sup>2</sup>	.04	.0278	.4662	:48	.10	.0678	.0736				
:05	.08	.0562	.2237	:53	.05	.0362	.4678	:49	.08	.0562	.0747	p. m.			
:07 <sup>2</sup>	.07	.0456	.2254	:55	.07	.0456	.4692	:51	.06	.0408	.0763	12:04	.02	.0137	.0666
:09 <sup>2</sup>	.05	.0362	.2268	12:00	.07	.0508	.4732	:52	.05	.0318	.0769	:08	.01	.0083	.0673
:12 <sup>2</sup>	.04	.0278	.2284					:54	.04	.0239	.0778	:14	.01	.0042	.0679
:15 <sup>2</sup>	.03	.0204	.2297	p. m.				:56	.02	.0169	.0785	:23	T	.0026	.0684
:19 <sup>2</sup>	.02	.0137	.2308	12:05	.09	.0618	.4779	:58	.02	.0108	.0790	:32	0	0	.0686
:23 <sup>2</sup>	.01	.0083	.2315	:08 <sup>2</sup>	.08	.0562	.4809	11:00	.01	.0061	.0793				
:28 <sup>2</sup>	.01	.0042	.2320	:11 <sup>2</sup>	.07	.0456	.4834	:04	T	.0026	.0796	7:04	0	0	0
:34 <sup>2</sup>	T	.0012	.2323	:13 <sup>2</sup>	.05	.0362	.4848	:11	0	0	.0798	:05	.03	.0204	.0602
:40 <sup>2</sup>	0	0	.2324	:16 <sup>2</sup>	.04	.0278	.4864					:06	.11	.0740	.0610
Aug. 30 <sup>38</sup>				:18 <sup>2</sup>	.03	.0204	.4872	Sept. 25 <sup>42</sup>				:07	.16	.109	.0626
a. m.				:22 <sup>2</sup>	.02	.0137	.4883	a. m.				:08	.22	.152	.0648
6:35	0	0	0	:26 <sup>2</sup>	.01	.0083	.4890	1:13	0	0	0	:11	.24	.161	.0126
:36	.01	.0042		:32 <sup>2</sup>	.01	.0042	.4896	:14	T	.0012		:15	.18	.126	.0222
:37	.02	.0137	.0002	:38 <sup>2</sup>	T	.0012	.4899	:15	.01	.0042		:18	.14	.0944	.0277
:38	.04	.0239	.0005	:44 <sup>2</sup>	0	0	.4900	:17	.01	.0083	.0002	:22	.10	.0678	.0328
:39	.05	.0318	.0010	Aug. 31-				:18	.02	.0169	.0004	:24	.08	.0562	.0348
:40	.06	.0408	.0016	Sept. 7	0	0	0	:20	.03	.0204	.0010	:26	.07	.0456	.0365
:41	.07	.0456	.0023	Sept. 8 <sup>39</sup>				:28	.04	.0278	.0042	:28	.05	.0362	.0379
:42	.14	.0944	.0033	a. m.				:33	.04	.0278	.0065	:31	.04	.0278	.0395
:45	.20	.134	.0089	8:25	0	0	0	:35	.05	.0362	.0076	:33	.03	.0204	.0403
:49	.25	.171	.0190	:26	.10	.0678	.0006	:37	.07	.0456	.0089	:37	.02	.0137	.0414
:52	.35	.237	.0292	:27	.15	.102	.0013	:39	.09	.0618	.0107	:42	.01	.0083	.0423
:55	.36	.248	.0413	:30	.11	.0740	.0057	:41	.12	.0805	.0130	:48	.01	.0042	.0429
7:00	.42	.287	.0635	:31	.09	.0618	.0069	:43	.13	.0873	.0158	8:00	T	.0012	.0434
:02	.44	.300	.0733	:32	.07	.0508	.0079	:50	.10	.0678	.0377	:10	0	0	.0435
:06	.42	.287	.0929	:33	.06	.0408	.0087	:54	.08	.0562	.0418				
:11	.44	.300	.1174	:34	.05	.0318	.0093	:58	.07	.0456	.0452	Nov. 2-4	0	0	0
:15	.36	.248	.1357	:36	.03	.0204	.0102	2:00	.06	.0408	.0466	Nov. 5 <sup>44</sup>			
:20	.28	.192	.1540	:38	.02	.0137	.0108	:04	.05	.0318	.0490	p. m.			
:29	.22	.152	.1798	:40	.01	.0083	.0112	:10	.04	.0239	.0518	12:25	0	0	0
:35	.18	.126	.1937	:43	.01	.0042	.0116	:15	.03	.0204	.0537	:26	T	.0026	.0001
:40	.16	.109	.2035	:47	T	.0012	.0118	:27	.02	.0169	.0574	:27	.01	.0083	.0004
:45	.13	.0873	.2117	:51	T	T	.0120	:34	.02	.0108	.0590	:29	.02	.0108	.0012
:50	.11	.0740	.2184	9:34	0	0	.0120	:40	.01	.0061	.0598	:35	.01	.0042	.0016
:55 <sup>2</sup>	.09	.0618	.2241	:35	T	.0026		:47	T	.0026	.0603	:40	.01	.0083	.0021
8:00 <sup>2</sup>	.07	.0508	.2288	:36	.01	.0042	.0121	3:00	0	0	.0609	:45	.01	.0061	.0035
:06 <sup>2</sup>	.06	.0408	.2334	:37	.02	.0137	.0123	Sept. 26-				:57	.01	.0083	.0039
:12 <sup>2</sup>	.05	.0318	.2370	:38	.03	.0204	.0126	Oct. 31	0	0	0	1:00	.01	.0083	.0043
:19 <sup>2</sup>	.04	.0239	.2402	:39	.04	.0239	.0130	Nov. 1 <sup>43</sup>				:04	.02	.0169	.0048
:28 <sup>2</sup>	.02	.0169	.2433	:40	.05	.0362	.0135	a. m.				:13	.02	.0108	.0069
:42 <sup>2</sup>	.02	.0108	.2465	:43	.05	.0362	.0153	:51	0	0	0	:20	.01	.0061	.0079
:52 <sup>2</sup>	.01	.0083	.2481	:46	.04	.0278	.0169	:52	.02	.0137	.0001	:30	T	.0026	.0086
9:00 <sup>2</sup>	.01	.0083	.2492	:50	.03	.0204	.0185	:53	.06	.0408	.0006	:34	T	.0026	.0088
:15 <sup>2</sup>	.01	.0083	.2513	:54	.02	.0137	.0196	:55	.06	.0408	.0019	:39	.01	.0042	.0091
:27 <sup>2</sup>	.02	.0137	.2535	:58	.01	.0083	.0203	:59	.05	.0318	.0043	:45	T	.0026	.0094
:34 <sup>2</sup>	.03	.0204	.2555	10:00	.01	.0061	.0206	9:00	.04	.0204	.0047	2:00	0	0	.0097
:38 <sup>2</sup>	.04	.0278	.2571	:06	T	.0026	.0210	:03	.02	.0169	.0056				
:42	.05	.0362	.2592	:10	T	.0012	.0211	:05	.02	.0108	.0061				
:46	.07	.0456	.2619	:15	0	0	.0212	:08	.01	.0061	.0065	Nov. 6-10	0	0	0
:48	.08	.0562	.2636	Sept. 9	0	0	0	:12	T	.0026	.0068				
:55	.10	.0678	.2709												

<sup>2</sup> Corrections for silt or ice conditions were estimated and applied to observed gage heights.

<sup>38</sup> Total rainfall for storm of Aug. 30, 1.34 inches. Grass 6½ inches, clover 4 inches, weeds 9½ inches high. Soil dry and loose.

<sup>39</sup> Total rainfall for storm of Sept. 8, 0.47 inch. Grass 6 inches, clover 4 inches, weeds 9 inches high. Soil dry and loose.

<sup>40</sup> Total rainfall for storms of Sept. 9, 0.05 inch, and Sept. 10, 0.35 inch. Grass 6 inches, clover 4 inches, weeds 9 inches high. Soil dry and loose.

<sup>41</sup> Total rainfall for storm of Sept. 24, 0.63 inch. Grass 5 inches, clover 3 inches, weeds 8 inches high. Soil moist and soft.

<sup>42</sup> Total rainfall for storm of Sept. 25, 0.43 inch. Grass 5 inches, clover 3 inches, weeds 8 inches high. Soil moist and soft.

<sup>43</sup> Total rainfall for storm of Nov. 1, 1.14 inches. Grass 2 inches, clover 2 inches, weeds 3 inches high. Soil moist and soft.

<sup>44</sup> Total rainfall for storm of Nov. 5, 0.50 inch. Grass and clover 2 inches, weeds 3 inches high. Soil moist and soft.



TABLE 30.—Run-off from watershed 113, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches
Nov. 11 <sup>45</sup>				Nov. 11 <sup>45</sup>				Nov. 26 <sup>46</sup>				Dec. 27 <sup>47</sup>			
a. m.				a. m.				p. m.				p. m.			
3:52-----	0		0	11:07-----	T	0.0012	0.0192	3:15-----	0.02	.0137	0.0198	5:21-----	T	0.0026	0.0093
:53-----	T	.0012		:08-----	.01	.0042		:25-----	.02	.0137	.0221	:27-----	T	.0012	.0095
:54-----	.01	.0042		:09-----	.01	.0061	.0193	:32-----	.02	.0108	.0235	:39-----	0	0	.0096
:56-----	.01	.0061	.0001	:17-----	.02	.0108	.0204	:45-----	.01	.0061	.0253				
4:00-----	.01	.0061	.0005	:29-----	.01	.0061	.0221	4:00-----	T	.0026	.0264	Dec. 28-----	0	0	0
:10-----	T	.0026	.0011	:44-----	T	.0026	.0232	:10-----	T	.0012	.0267	Dec. 29 <sup>48</sup>			
:17-----	T	.0012	.0014	12:00-----	0	0	.0235	:45-----	T	.0012	.0274	a. m.			
:30-----	0	0	.0015					5:00-----	0	0	.0276	2:00-----	0	0	0
8:22-----	0	0	.0015	Nov. 12-25--	0	0	0					:02-----	T	.0012	
:40-----	T	.0012	.0017					Nov. 27-Dec. 26-----	0	0	0	:05-----	.01	.0042	.0001
:41-----	.04	.0239	.0025	Nov. 26 <sup>46</sup>				Dec. 27 <sup>47</sup>				:07-----	.01	.0083	.0003
:42-----	.05	.0318	.0030	p. m.				p. m.				:08-----	.01	.0083	.0007
:44-----	.06	.0408	.0042	2:02-----	0	0	0	4:28-----	0	0	0	:09-----	.02	.0137	.0009
:46-----	.07	.0456	.0056	:04-----	T	.0012		:29-----	T	.0012		:18-----	.02	.0137	.0030
:50-----	.06	.0408	.0085	:05-----	.01	.0061	.0001	:30-----	.01	.0042		:27-----	.02	.0108	.0048
:55-----	.05	.0362	.0117	:06-----	.02	.0108	.0002	:36-----	.01	.0042	.0004	:40-----	.02	.0169	.0078
9:00-----	.04	.0239	.0142	:10-----	.02	.0169	.0011	:37-----	.02	.0137	.0006	:45-----	.02	.0169	.0092
:04-----	.02	.0169	.0156	:15-----	.03	.0204	.0027	:42-----	.03	.0204	.0020	3:00-----	.02	.0108	.0127
:09-----	.02	.0108	.0168	:25-----	.03	.0204	.0061	:47-----	.03	.0204	.0037	:45-----	T	.0026	.0162
:15-----	.01	.0061	.0176	:34-----	.02	.0137	.0087	:56-----	.02	.0137	.0063	4:00-----	0	0	.0179
:25-----	T	.0026	.0183	:42-----	.02	.0108	.0103	5:00-----	.02	.0108	.0071	Dec. 30-31--	0	0	0
:35-----	T	.0012	.0186	:50-----	.02	.0169	.0122	:10-----	.01	.0061	.0085				
:55-----	0	0	.0188	:55-----	.03	.0204	.0138								
10:30-----	0	0	.0188	3:00-----	.03	.0204	.0155								
11:00-----	T	.0012	.0191												

<sup>45</sup> Total rainfall for storm of Nov. 11, 1.02 inches. Grass and clover 2 inches, weeds 3 inches high. Soil moist and soft.

<sup>46</sup> Total rainfall for storm of Nov. 26, 1.04 inches. Grass and clover 1 inch, weeds 3 inches high. Soil moist and soft.

<sup>47</sup> Total rainfall for storm of Dec. 27, 0.46 inch. Grass and clover 1 inch, weeds 2 inches high. Soil moist and soft.

<sup>48</sup> Total rainfall for storm of Dec. 29, 0.69 inch. Grass and clover 1 inch, weeds 2 inches high. Soil moist and soft.

TABLE 31.—Run-off from watershed 115, 1940

LOCATION: Latitude 40°22'26'', longitude 81°46'9''.

#### PHYSICAL CHARACTERISTICS:

*Drainage area.*—1.61 acres.

*Length of principal watercourse.*—425 feet.

*Topography.*—The area nearest the outlet has the steepest slopes. One small gully extends about 300 feet above the outlet. Drainage pattern is fairly well defined. Aspect is to the south.

*Slope.*—Average slope is 6.6 percent. 69 percent of the watershed has a slope of less than 6 percent and 31 percent has a slope of 6 to 10 percent.

*Erosion condition.*—Sheet erosion has removed 50 to 75 percent of the topsoil from this watershed. There is no severe gully erosion. Erosional deposits at lower end of watershed cover 15 square feet.

*Soil.*—Muskingum silt loam is the predominant soil.

*Special features.*—Records can be compared with those from lysimeter battery Y103 and adjoining watershed 123. All these units are under the same crop.

#### LAND USE AND VEGETAL COVER:

*Land use distribution.*—Cropland, 100 percent. Plan calls for rotated crops under prevailing practices. Wheat was followed by meadow during 1940.

*Vegetal cover and soil condition.*—Litter during the growing season was composed of wheat stubble and straw averaging 200 pounds to the acre. Cover and soils were as follows:

January 11, soil moist and firm, wheat 4.5 inches high, frost penetration 5.5 inches.

January 25, soil moist and hard, wheat 4.5 inches high, frost penetration 7.5 inches.

February 8, soil dry and hard, wheat 4.5 inches high, frost penetration 7 inches.

February 23, soil moist and firm, wheat 4.5 inches high, frost penetration 1 inch.

March 6, soil soggy and soft, wheat 4.5 inches high. Silt near flume and many small gullies.

March 21, fairly wet and soft, wheat 4.5 inches high.

April 5, soil moist and soft, wheat 5 inches high. Numerous small gullies, silt along gully profile and pot holes in channels.

April 24, soil fairly wet and soft, wheat 5 inches high.

May 8, soil wet and soft, wheat 6.5 inches, clover and grass one-half inch high.

May 22, soil dry and loose, wheat 10 inches, clover and grass one-half inch high.

June 5, soil dry and soft; wheat 19 inches, clover and grass 2 inches, and weeds 2 inches high.

June 17, soil moist and soft; wheat 28 inches, clover and grass 3 inches, and weeds 3 inches high, scouring in gullies.

July 9, soil moist and soft; wheat 35 inches, clover and grass 5 inches, and weeds 4 inches high.

July 13, wheat harvested, yield 14.9 bushels an acre.

July 24, soil moist and soft; grass 5 inches, clover 6 inches, and weeds 7 inches high.

August 9, soil dry and loose; grass 6 inches, clover 6 inches, and weeds 8 inches high.

August 22, soil dry and loose; grass 7 inches, clover 4 inches, and weeds 10 inches high.

Sept. 13, soil dry and loose; grass 6 inches, clover 4 inches, and weeds 9 inches high.

September 27, soil moist and soft; grass 5 inches, clover 3 inches, and weeds 8 inches high.

October 10, soil dry and loose; grass 4 inches, clover 3 inches, and weeds 6 inches high.

October 24, soil dry and loose; grass 3 inches, clover 2 inches, and weeds 4 inches high.

November 7, soil moist and soft; grass 2 inches, clover 2 inches, and weeds 3 inches high.

November 28, soil moist and soft; grass 1 inch, clover 1 inch, and weeds 3 inches high.

December 11, soil moist and soft; grass 1 inch, clover 1 inch, and weeds 2 inches high.



TABLE 31.—Run-off from watershed 115, 1940—Continued

## MEASUREMENTS:

**Precipitation.**—Rainfall was measured at one recording rain gage, Y103 (fig. 2). Snowfall was measured by the rain gage supplemented by a snow board. Snow inventory on the watershed was obtained by surveys and observations to determine depth, distribution, and water equivalent.

**Run-off.**—Run-off was measured by an H flume 2.5 feet deep. Run-off records are good. Silt deposits caused inaccuracy of recession curves during many storms. The laboratory rating was used.

**Soil loss.**—Records of soil loss in run-off water were obtained by silt box and Ramser automatic silt sampler placed at outlet of measuring flume.

*Changes in instrumentation during year.*—Gullies and channels were shaped and sodded during August to form grassed waterway.

## SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, DECEMBER 1938 TO DECEMBER 1940:

**Rainfall.**—Total precipitation 1940, 46.60 inches; average annual precipitation for period of record, 42.33.

**Run-off.**—Annual run-off amount 1940, 8.65 inches; maximum rate of run-off for period of record, 2.75 inches per hour, July 8, 1939; maximum rate of run-off for 1940, 2.61 inches per hour, June 18, 1940.

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
	Second-foot	Inches per hour		Second-foot	Inches per hour		Second-foot	Inches per hour		Second-foot	Inches per hour
Jan. 1-12	0	0	Feb. 10 <sup>2</sup>			Feb. 12 <sup>4</sup>			Mar. 3 <sup>6</sup>		
Jan. 13 <sup>1</sup>			p. m.			p. m.			p. m.		
12:30	0	0	3:51 <sup>3</sup>	0.03	0.0185	12:06 <sup>3</sup>	0.0010	0.0001	6:16 <sup>3</sup>	0.08	0.0505
1:00	T	T	:52 <sup>3</sup>	.04	.0252	:10 <sup>3</sup>	0.01	.0036	:20 <sup>3</sup>	.07	.0413
2:00	T	T	:53 <sup>3</sup>	.05	.0326	:14 <sup>3</sup>	.01	.0074	:27 <sup>3</sup>	.05	.0326
3:00	T	.0010	:54 <sup>3</sup>	.07	.0413	:17 <sup>3</sup>	.02	.0123	:33 <sup>3</sup>	.04	.0252
4:00	T	.0010	:56 <sup>3</sup>	.08	.0505	:20 <sup>3</sup>	.03	.0185	:41 <sup>3</sup>	.04	.0185
5:00	T	.0023	:57 <sup>3</sup>	.10	.0610	:25 <sup>3</sup>	.04	.0252	:51 <sup>3</sup>	.02	.0123
6:00	T	.0031	4:00 <sup>3</sup>	.15	.0918	:29 <sup>3</sup>	.05	.0326	7:00 <sup>3</sup>	.01	.0074
7:00	T	.0050	:02	.20	.121	:33 <sup>3</sup>	.07	.0413	:03 <sup>3</sup>	.01	.0036
8:00	T	.0066	:12	.28	.172	:37 <sup>3</sup>	.07	.0456	:06 <sup>3</sup>	T	.0010
9:00	T	.0010	:17	.25	.154	:52	.07	.0456	:10 <sup>3</sup>	T	.0010
10:00	T	.0010	:20	.21	.129	1:00	.07	.0413	:13 <sup>3</sup>	0	0
11:00	T	.0010	:24	.17	.106	:12	.05	.0326	:16 <sup>3</sup>	0	0
12:00	T	.0096	:30	.15	.0918	:27 <sup>3</sup>	.04	.0252	:18 <sup>3</sup>	0	0
Jan. 14 <sup>1</sup>			:35	.17	.106	:39 <sup>3</sup>	.03	.0185	:21 <sup>3</sup>	.01	.0036
a. m.			:42	.24	.145	:54 <sup>3</sup>	.02	.0123	:23 <sup>3</sup>	.01	.0074
6:00	T	.0010	:49	.15	.0918	2:00 <sup>3</sup>	.02	.0100	:25 <sup>3</sup>	.02	.0123
:20	T	.0010	:56	.10	.0610	:20 <sup>3</sup>	.01	.0055	:28 <sup>3</sup>	.03	.0185
:25	T	.0023	5:00	.08	.0505	:40 <sup>3</sup>	T	.0023	:31 <sup>3</sup>	.04	.0252
8:15	T	.0023	:06	.07	.0456	:05 <sup>3</sup>	T	.0010	:33 <sup>3</sup>	.05	.0326
:20	.01	.0036	:11	.08	.0505	3:00 <sup>3</sup>	T	.0010	:36 <sup>3</sup>	.07	.0413
:40	.01	.0055	:16	.10	.0610	:05 <sup>3</sup>	T	.0010	:38 <sup>3</sup>	.08	.0505
9:00	.01	.0055	:20	.12	.0727	Feb. 13-26	0	0	:41 <sup>3</sup>	.10	.0610
:30	.01	.0055	:25	.15	.0918	Feb. 27	( <sup>4</sup> )	( <sup>4</sup> )	:43 <sup>3</sup>	.12	.0727
:45	.01	.0055	:37	.10	.0610	Feb. 28-Mar. 2	0	0	:45 <sup>3</sup>	.14	.0850
10:00	.01	.0055	:43	.09	.0554	Mar. 3 <sup>6</sup>			:48 <sup>3</sup>	.16	.0986
:35	.01	.0074	:49	.11	.0665	p. m.			:51 <sup>3</sup>	.18	.113
11:00	.01	.0074	:51	.15	.0918	5:01 <sup>3</sup>	0	0	:53 <sup>3</sup>	.20	.121
:20	.01	.0055	:54	.17	.106	:03 <sup>3</sup>	T	.0010	:55 <sup>3</sup>	.22	.139
:40	.01	.0055	6:00	.13	.0778	:05 <sup>3</sup>	.01	.0036	:57 <sup>3</sup>	.24	.154
12:00	.01	.0036	:05	.10	.0610	:06 <sup>3</sup>	.01	.0074	:59 <sup>3</sup>	.26	.172
p. m.			:10	.10	.0610	:07 <sup>3</sup>	.02	.0123	:01 <sup>3</sup>	.28	.188
1:00	.01	.0036	:17	.14	.0850	:09 <sup>3</sup>	.03	.0185	:03 <sup>3</sup>	.30	.204
2:00	.01	.0036	:20	.16	.0986	:10 <sup>3</sup>	.05	.0326	:05 <sup>3</sup>	.32	.220
:20	.01	.0036	:26	.11	.0665	:11 <sup>3</sup>	.08	.0505	:07 <sup>3</sup>	.34	.236
:24	.01	.0074	:32	.10	.0610	:12 <sup>3</sup>	.10	.0610	:09 <sup>3</sup>	.36	.252
:27	.02	.0123	:35	.07	.0413	:13 <sup>3</sup>	.18	.113	:11 <sup>3</sup>	.38	.268
:30	.02	.0123	:42	.08	.0505	:14	.31	.182	:12 <sup>3</sup>	.40	.284
:32	.02	.0154	:49	.08	.0505	:15	.48	.295	:13 <sup>3</sup>	.42	.300
:42	.02	.0098	:54	.08	.0505	:16	.71	.439	:14	.45	.316
3:00	.01	.0055	:56	.07	.0456	:17	.95	.596	:15	.47	.332
:30	T	.0023	:03	.08	.0505	:18	1.00	.634	:16	.49	.348
4:00	T	.0010	:10 <sup>3</sup>	.07	.0413	:19	1.00	.653	:17	.51	.364
5:00	T	.0010	:16 <sup>3</sup>	.05	.0326	:21	1.00	.615	:18	.53	.380
:10	0	0	:22 <sup>3</sup>	.04	.0252	:25	.82	.505	:19	.55	.396
Jan. 15-Feb. 9	0	0	:28 <sup>3</sup>	.03	.0185	:31	.61	.377	:20	.57	.412
Feb. 10 <sup>2</sup>			:38 <sup>3</sup>	.02	.0123	:36	.48	.295	:21	.59	.428
p. m.			:48 <sup>3</sup>	.01	.0074	:41	.38	.235	:22	.61	.444
3:45 <sup>3</sup>	0	0	8:00 <sup>3</sup>	.01	.0036	:46	.31	.192	:23	.63	.460
:46 <sup>3</sup>	.01	.0010	:45 <sup>3</sup>	0	0	:51	.25	.154	:24	.65	.476
:48 <sup>3</sup>	.01	.0036	Feb. 11	0	0	:55	.21	.129	:25	.67	.492
:49 <sup>3</sup>	.01	.0074	Feb. 12 <sup>4</sup>			6:00 <sup>3</sup>	.16	.0986	:26	.69	.508
:50 <sup>3</sup>	.02	.0123	a. m.			:04 <sup>3</sup>	.14	.0850	:27	.71	.524
			12:00 <sup>3</sup>	0	0	:10 <sup>3</sup>	.11	.0610	:28	.73	.540

<sup>1</sup> Total rainfall for storm of Jan. 13-14, 0.93 inch. Total soil loss in run-off water 0.0024 ton per acre. Wheat 4.5 inches high. Soil moist and firm, frost penetration 5.5 inches.

<sup>2</sup> Total rainfall for storm of Feb. 10, 0.92 inch. Total soil loss in run-off water 0.0830 ton per acre. Wheat 4.5 inches high. Soil dry and hard, frost penetration 7.5 inches.

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.

<sup>4</sup> No rainfall for Feb. 12. Total soil loss in run-off water 0.0115 ton per acre. Wheat 4.5 inches high. Soil dry and hard, frost penetration 7.0 inches. Run-off due to melting snow and thawing soil.

<sup>5</sup> No rainfall for Feb. 27. Total soil loss in run-off water 0.0003 ton per acre. Wheat

4.5 inches high. Soil moist and firm, frost penetration 1.0 inch. Run-off due to thawing soil. No rate record; accumulated amount obtained from silt-box measurements.

<sup>6</sup> Total rainfall for storms of Mar. 3, 0.73 inch and 0.37 inch. Total soil loss in run-off water for these storms 0.0711 ton per acre. Wheat 4.5 inches high. Soil moist and firm.

<sup>7</sup> Total rainfall for storm of Mar. 17, 0.24 inch. Total soil loss in run-off water 0.0294 ton per acre. Wheat 4.5 inches high. Soil soggy to wet, soft. Run-off due to melting snow and thawing soil.



TABLE 31.—Run-off from watershed 115, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
Mar. 17					Apr. 3 <sup>10</sup>					Apr. 12 <sup>11</sup>					Apr. 15-18					Apr. 19 <sup>12</sup>				
p. m.					p. m.					a. m.					p. m.									
2:30	0.01	0.0055	0.0013		2:18	0	0	0		1:00	0.01	0.0036	0.0036		12:19	0	0	0		12:19	0	0	0	
:40	0.02	0.0098	0.0026		:19	0.01	0.0074	0.0001		2:00	T	0.0023	0.0066		:20	T	0.0010	0.0007		:20	T	0.0010	0.0007	
:50	0.02	0.0154	0.0046		:20	0.04	0.0216	0.0003		:03	T	0.0023	0.0067		:30	T	0.0010	0.0012		:30	T	0.0010	0.0012	
3:00	0.04	0.0216	0.0077		:24	0.02	0.0154	0.0015		:05	0.01	0.0055	0.0068		1:00	T	0.0010	0.0015		1:00	T	0.0010	0.0015	
:06	0.05	0.0290	0.0102		:26	0.02	0.0098	0.0057		:06	0.02	0.0098	0.0069		2:00	T	0.0010	0.0020		2:00	T	0.0010	0.0020	
:10	0.06	0.0370	0.0124		:28	0.01	0.0055	0.0060		:08	0.02	0.0154	0.0073		3:00	T	0.0010	0.0030		3:00	T	0.0010	0.0030	
:15	0.07	0.0413	0.0157		:30	0.01	0.0036	0.0062		:09	0.03	0.0185	0.0076		4:00	T	0.0010	0.0040		4:00	T	0.0010	0.0040	
:30	0.06	0.0370	0.0255		:32	T	0.0023	0.0063		:10	0.04	0.0252	0.0080		5:00	T	0.0010	0.0050		5:00	T	0.0010	0.0050	
:40	0.05	0.0326	0.0313		:34	T	0.0010	0.0064		:14	0.05	0.0326	0.0099		6:00	T	0.0010	0.0060		6:00	T	0.0010	0.0060	
:45	0.05	0.0290	0.0339		:42	0	0	0.0065		:34	0.06	0.0370	0.0215		7:00	T	0.0010	0.0070		7:00	T	0.0010	0.0070	
:50	0.04	0.0252	0.0362		6:15	0	0	0.0065		:44	0.05	0.0326	0.0273		8:00	T	0.0010	0.0080		8:00	T	0.0010	0.0080	
4:00	0.03	0.0185	0.0399		:17	T	0.0023	0.0067		3:00	0.04	0.0252	0.0350		9:00	T	0.0010	0.0090		9:00	T	0.0010	0.0090	
:15	0.02	0.0123	0.0438		:23	T	0.0010	0.0067		:24	0.03	0.0185	0.0438		10:00	T	0.0010	0.0100		10:00	T	0.0010	0.0100	
:35	0.01	0.0074	0.0471		:35	0	0	0.0067		:44	0.02	0.0123	0.0489		11:00	T	0.0010	0.0110		11:00	T	0.0010	0.0110	
:45	0.01	0.0055	0.0482							4:00	0.02	0.0098	0.0519		12:00	T	0.0010	0.0120		12:00	T	0.0010	0.0120	
:50	0.01	0.0036	0.0486		Apr. 4-10	0	0	0		:20	0.01	0.0074	0.0548		1:00	T	0.0010	0.0130		1:00	T	0.0010	0.0130	
5:00	T	0.0023	0.0491		Apr. 11 <sup>11</sup>					5:00	0.01	0.0055	0.0591		2:00	T	0.0010	0.0140		2:00	T	0.0010	0.0140	
:15	T	0.0010	0.0495		p. m.					:30	0.01	0.0036	0.0614		3:00	T	0.0010	0.0150		3:00	T	0.0010	0.0150	
:25	0	0	0.0496		3:33	0	0	0		6:00	T	0.0023	0.0619		4:00	T	0.0010	0.0160		4:00	T	0.0010	0.0160	
Mar. 18 <sup>8</sup>					:42	T	0.0023	0.0004		7:00	T	0.0010	0.0627		5:00	T	0.0010	0.0170		5:00	T	0.0010	0.0170	
p. m.					:52	T	0.0023	0.0009		:00	0	0	0.0634		6:00	T	0.0010	0.0180		6:00	T	0.0010	0.0180	
5:40	0	0	0		4:00	T	0.0010	0.0011		11:00	0	0	0		7:00	T	0.0010	0.0190		7:00	T	0.0010	0.0190	
:45	T	0.0010	0.0001		5:00	T	0.0010	0.0021		:01	0.01	0.0036	0.0001		8:00	T	0.0010	0.0200		8:00	T	0.0010	0.0200	
:48	0.01	0.0036	0.0003		:20	T	0.0010	0.0024		:02	0.01	0.0074	0.0002		9:00	T	0.0010	0.0210		9:00	T	0.0010	0.0210	
:50	0.01	0.0074	0.0006		:30	0.01	0.0036	0.0028		:03	0.01	0.0123	0.0004		10:00	T	0.0010	0.0220		10:00	T	0.0010	0.0220	
:52	0.02	0.0123	0.0009		:50	T	0.0023	0.0038		:04	0.02	0.0185	0.0008		11:00	T	0.0010	0.0230		11:00	T	0.0010	0.0230	
:53	0.03	0.0185	0.0016		6:00	T	0.0010	0.0040		:05	0.03	0.0252	0.0014		12:00	T	0.0010	0.0240		12:00	T	0.0010	0.0240	
:56	0.04	0.0252	0.0034		:20	T	0.0010	0.0044		:06	0.04	0.0326	0.0023		1:00	T	0.0010	0.0250		1:00	T	0.0010	0.0250	
6:00	0.05	0.0290	0.0111		:35	T	0.0023	0.0048		:07	0.05	0.0370	0.0036		2:00	T	0.0010	0.0260		2:00	T	0.0010	0.0260	
:15	0.05	0.0326	0.0137		:45	0.01	0.0036	0.0053		:15	0.07	0.0413	0.0060		3:00	T	0.0010	0.0270		3:00	T	0.0010	0.0270	
:20	0.05	0.0290	0.0182		:50	0.01	0.0055	0.0057		12:00	0.07	0.0413	0.0100		4:00	T	0.0010	0.0280		4:00	T	0.0010	0.0280	
:30	0.04	0.0252	0.0260		:53	0.01	0.0074	0.0060		12:05	0.06	0.0370	0.0134		5:00	T	0.0010	0.0290		5:00	T	0.0010	0.0290	
:50 <sup>3</sup>	0.04	0.0216	0.0293		:56	0.02	0.0098	0.0064		:15	0.05	0.0326	0.0192		6:00	T	0.0010	0.0300		6:00	T	0.0010	0.0300	
7:00 <sup>3</sup>	0.03	0.0185	0.0370		7:00	0.02	0.0123	0.0071		:25	0.04	0.0252	0.0240		7:00	T	0.0010	0.0310		7:00	T	0.0010	0.0310	
:30 <sup>3</sup>	0.02	0.0123	0.0395		:15	0.03	0.0185	0.0110		:30	0.03	0.0185	0.0258		8:00	T	0.0010	0.0320		8:00	T	0.0010	0.0320	
:45 <sup>3</sup>	0.01	0.0074	0.0409		:21	0.04	0.0252	0.0121		:35	0.02	0.0123	0.0271		9:00	T	0.0010	0.0330		9:00	T	0.0010	0.0330	
8:00 <sup>3</sup>	0.01	0.0036	0.0421		:25	0.05	0.0326	0.0140		:40	0.02	0.0098	0.0280		10:00	T	0.0010	0.0340		10:00	T	0.0010	0.0340	
:15 <sup>3</sup>	T	0.0023	0.0424		:28	0.05	0.0290	0.0155		1:00	0.02	0.0098	0.0313		11:00	T	0.0010	0.0350		11:00	T	0.0010	0.0350	
:30 <sup>3</sup>	0	0	0.0424		:33	0.04	0.0252	0.0177		2:00	0.01	0.0074	0.0362		12:00	T	0.0010	0.0360		12:00	T	0.0010	0.0360	
9:00 <sup>3</sup>	0	0	0.0424		:41	0.03	0.0185	0.0206		3:00	0.01	0.0074	0.0405		1:00	T	0.0010	0.0370		1:00	T	0.0010	0.0370	
Mar. 19-29	0	0	0		:47	0.04	0.0252	0.0228		4:00	0.01	0.0055	0.0443		2:00	T	0.0010	0.0380		2:00	T	0.0010	0.0380	
Mar. 30 <sup>9</sup>					:55	0.03	0.0185	0.0257		5:00	0.01	0.0036	0.0479		3:00	T	0.0010	0.0390		3:00	T	0.0010	0.0390	
p. m.					8:00	0.03	0.0185	0.0272		6:00	0.01	0.0055	0.0514		4:00	T	0.0010	0.0400		4:00	T	0.0010	0.0400	
12:35	0	0	0		:10	0.03	0.0185	0.0303		7:00	0.01	0.0036	0.0558		5:00	T	0.0010	0.0410		5:00	T	0.0010	0.0410	
:50	T	0.0010	0.0001		:15	0.04	0.0252	0.0321		8:00	T	0.0023	0.0618		6:00	T	0.0010	0.0420		6:00	T	0.0010	0.0420	
:50	0.01	0.0036	0.0005		:20	0.05	0.0326	0.0345		9:00	T	0.0010	0.0634		7:00	T	0.0010	0.0430		7:00	T	0.0010	0.0430	
:15	0.01	0.0055	0.0007		:28	0.04	0.0252	0.0383		10:00	T	0.0010	0.0637		8:00	T	0.0010	0.0440		8:00	T	0.0010	0.0440	
:25	0.01	0.0074	0.0008		:33	0.03	0.0185	0.0401		11:00	0	0	0		9:00	T	0.0010	0.0450		9:00	T	0.0010	0.0450	
:30	0.02	0.0098	0.0009		:48	0.03	0.0185	0.0447		12:00	0	0	0		10:00	T	0.0010	0.0460		10:00	T	0.0010	0.0460	
:40	0.01	0.0074	0.0105		:53	0.04	0.0252	0.0465		1:00	0.02	0.0098	0.0498		11:00	T	0.0010	0.0470		11:00	T	0.0010	0.0470	
2:00	0.01	0.0074	0.0130		:56	0.05	0.0326	0.0479		2:00	0.01	0.0074	0.0543		12:00	T	0.0010	0.0480		12:00	T	0.0010	0.0480	
:30	0.01	0.0055	0.0163		9:00	0.07	0.0413	0.0504		3:00	0.01	0.0074	0.0588		1:00	T	0.0010	0.0490		1:00	T	0.0010	0.0490	
:50	0.01	0.0074	0.0185		:10	0.08	0.0505	0.0581		4:00	0.01	0.0055	0.0618		2:00	T	0.0010	0.0500		2:00	T	0.0010	0.0500	
3:00	0.02	0.0098	0.0199		:15	0.07	0.0456	0.0621		5:00	0.01	0.0036	0.0634		3:00	T	0.0010	0.0510		3:00	T	0.0010	0.0510	
:30	0.02	0.0123	0.0254		:18	0.07	0.0413	0.0643		6:00	0.01	0.0055	0.0664		4:00	T	0.0010	0.0520		4:00	T	0.0010	0.0520	
:45	0.02	0.0123	0.0285		:28	0.06	0.0370	0.0733		7:00	0.01	0.0036	0.0694		5:00	T	0.0010	0						



TABLE 31.—Run-off from watershed 115, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Apr. 20	Second-foot	Inches per hour	Inches	May 6 13	Second-foot	Inches per hour	Inches	May 24 14	Second-foot	Inches per hour	Inches	May 29 15	Second-foot	Inches per hour	Inches
a. m.				p. m.				a. m.				p. m.			
6:27 3	0.14	0.0850	0.2380	6:50	2.53	1.56	0.1439	9:34	0.07	0.0413	0.1636	9:33	0.01	0.0036	0.0001
:29 3	.18	.113	.2413	:52	2.26	1.39	.1924	:37	.05	.0326	.1654	:36	.01	.0074	.0004
:31 3	.24	.145	.2456	:55	1.93	1.19	.2569	:42	.05	.0290	.1680	:38	.02	.0123	.0006
:34 3	.30	.182	.2538	:56	1.46	.899	.2746	:45	.05	.0326	.1695	:39	.03	.0185	.0009
:40 3	.30	.182	.2720	:57	1.10	.678	.2850	:48	.07	.0413	.1713	:41	.04	.0252	.0016
:45 3	.26	.163	.2863	:58	.91	.558	.2985	:52	.07	.0456	.1742	:42	.05	.0326	.0021
:49 3	.21	.129	.2961	7:00 3	.61	.377	.3139	:55	.07	.0413	.1764	:43	.07	.0413	.0027
:52 3	.18	.113	.3022	:02 3	.42	.258	.3244	10:00	.05	.0290	.1793	:44	.08	.0505	.0035
:55 3	.21	.129	.3083	:04 3	.31	.192	.3318	:02	.04	.0252	.1802	:45	.12	.0727	.0045
7:00 3	.24	.145	.3197	:07 3	.22	.137	.3401	:14	.03	.0185	.1846	:46	.16	.0986	.0060
:05 3	.21	.129	.3311	:10 3	.15	.0918	.3458	:18	.02	.0123	.1856	:48	.21	.129	.0108
:10 3	.16	.0986	.3405	:13 3	.11	.0665	.3498	:30	.01	.0074	.1876	:50	.22	.137	.0152
:15 3	.12	.0727	.3476	:14 3	.09	.0554	.3508	:45	.01	.0074	.1895	:51	.21	.129	.0156
:20 3	.08	.0505	.3527	:16 3	.07	.0456	.3525	:49	.02	.0123	.1902	:53	.16	.0986	.0194
:24 3	.07	.0413	.3558	:18 3	.06	.0370	.3539	:52	.02	.0154	.1909	:56	.12	.0727	.0237
:26 3	.05	.0326	.3570	:21 3	.05	.0290	.3556	11:00	.02	.0123	.1927	:58	.08	.0505	.0257
:29 3	.05	.0290	.3585	:23 3	.04	.0216	.3564	:06	.02	.0123	.1939	:59	.07	.0413	.0265
:30 3	.05	.0326	.3590	:26 3	.02	.0154	.3573	:10	.02	.0098	.1946	10:00	.05	.0326	.0271
:32 3	.07	.0413	.3602	:30 3	.02	.0098	.3581	:12	.02	.0123	.1950	:02	.04	.0252	.0281
:33 3	.08	.0505	.3610	:35 3	.01	.0055	.3587	:15	.03	.0185	.1958	:05	.03	.0185	.0292
:35 3	.10	.0610	.3628	:45 3	T	.0023	.3594	:16	.04	.0252	.1962	:08	.02	.0154	.0301
:37 3	.14	.0850	.3652	8:00 3	T		.3597	:17	.05	.0326	.1967	:10	.03	.0185	.0307
:39 3	.18	.113	.3685	:30 3	0	0		:18	.08	.0505	.1974	:15	.04	.0216	.0324
:45 3	.16	.0986	.3791					:19	.12	.0727	.1984	:20	.04	.0216	.0342
:50 3	.12	.0727	.3862	May 7-23	0	0	0	:20	.16	.0986	.1999	:23	.03	.0185	.0352
:52	.10	.0610	.3884	May 24 14				:24	.22	.137	.2078	:28	.02	.0123	.0365
:54	.08	.0505	.3902	a. m.				:29	.18	.113	.2088	:32	.02	.0123	.0373
:55	.07	.0413	.3910	12:45	0	0	0	:34	.15	.0918	.2173	:34	.03	.0185	.0378
:58	.05	.0326	.3929	5:00	T	T		:40	.18	.113	.2275	:36	.04	.0252	.0386
8:00	.05	.0290	.3939	:45	0	0		:45	.18	.113	.2284	:38	.05	.0326	.0395
:04	.04	.0252	.3957	:46	T	T		:48	.16	.0986	.2337	:40	.06	.0370	.0406
:10	.03	.0185	.3979	:47	T	T		:54	.14	.0850	.2429	:43	.05	.0326	.0423
:30	.02	.0123	.4030	:48	T	T		12:00	.10	.0610	.2502	:46	.04	.0252	.0437
9:00	.02	.0098	.4086	:49	T	.0010	.0001					:49	.03	.0185	.0448
:30	.02	.0098	.4135	:50	.01	.0036	.0001	p. m.				:53	.02	.0123	.0453
:45	.02	.0123	.4163	:51	.01	.0074	.0002	12:02	.08	.0505	.2520	:57	.02	.0098	.0465
:55	.02	.0154	.4186	:52	.02	.0098	.0006	:04	.07	.0413	.2535	11:00	.01	.0074	.0469
10:00	.02	.0123	.4197	:53	.03	.0185	.0041	:06	.05	.0326	.2547	:05	.01	.0036	.0474
:30	.02	.0098	.4253	:54	.02	.0154	.0027	:08	.04	.0252	.2556	:15	T	.0010	.0478
11:00	.02	.0098	.4302	:55	.03	.0185	.0056	:11	.03	.0185	.2567	:30	0	0	.0479
:15	.02	.0123	.4330	:56	.04	.0216	.0073	:15	.02	.0123	.2577				
:35	.02	.0098	.4367	:57	.04	.0252	.0102	:30	.01	.0074	.2602				
:50	.02	.0123	.4395	:58	.05	.0326	.0107	:45	.01	.0036	.2616	May 30 15			
12:00	.02	.0098	.4424	:59	.07	.0413	.0113	1:00	T	.0023	.2624	a. m.			
				:00	.08	.0505	.0121	:50	T	.0010	.2637	1:12	0	0	0
p. m.				:30	.10	.0610	.0139	:55	T	.0010	.2638	:14	T		
12:15	.01	.0074	.4446	:32	.11	.0665	.0160	:56	.01	.0036	.2638	:16	.01	.0036	.0001
:45	.01	.0055	.4478	:37	.09	.0554	.0211	:57	.02	.0123	.2639	:17	.02	.0123	.0002
1:00	.01	.0055	.4492	:38	.10	.0610	.0221	:58	.03	.0185	.2642	:18	.08	.0505	.0007
:03	.02	.0098	.4496	:40	.12	.0727	.0243	:59	.07	.0413	.2647	:19	.21	.129	.0022
:05	.02	.0123	.4500	:41	.14	.0850	.0256	2:00	.12	.0727	.2657	:20	.48	.295	.0058
:10	.02	.0123	.4510	:43	.16	.0986	.0286	:01	.18	.113	.2673	:21	.71	.439	.0120
:20	.02	.0098	.4529	:47	.18	.113	.0357	:02	.24	.145	.2695	:22	.88	.540	.0282
:50	.01	.0074	.4572	:53	.16	.0986	.0463	:03	.25	.154	.2721	:23	.71	.439	.0444
2:00	.01	.0055	.4583	:58	.14	.0850	.0539	:05	.24	.145	.2770	:25	.61	.377	.0513
3:00	.01	.0036	.4628	7:00	.12	.0727	.0565	:10	.16	.0986	.2871	:26	.48	.295	.0582
:30	.01	.0055	.4651	:04	.10	.0610	.0610	:15	.12	.0727	.2942	:27	.36	.224	.0626
4:00	.01	.0074	.4683	:07	.08	.0505	.0638	:17	.08	.0505	.2962	:28	.30	.182	.0661
:30	.01	.0036	.4711	:10	.07	.0413	.0661	:19	.07	.0413	.2977	:29	.24	.145	.0690
5:00	T	.0023	.4726	:14	.05	.0326	.0686	:20	.05	.0326	.2983	:30	.16	.0986	.0730
6:00	T	.0023	.4749	:18	.04	.0252	.0705	:22	.04	.0252	.2993	:32	.12	.0727	.0758
:30	T	.0023	.4761	:24	.03	.0185	.0727	:24	.03	.0185	.3000	:34	.10	.0610	.0769
:50	.01	.0036	.4771	:28	.02	.0123	.0737	:26	.02	.0123	.3005	:35	.08	.0505	.0778
7:00	.01	.0055	.4779	:32	.01	.0074	.0744	:38	.01	.0074	.3025	:36	.07	.0413	.0786
:30	.01	.0055	.4807	:35	.01	.0036	.0747	:50	.01	.0036	.3036	:37	.05	.0326	.0792
:45	.01	.0036	.4819	:40	T	.0023	.0749	3:00	.01	.0036	.3042	:38	.04	.0252	.0802
8:00	.01	.0055	.4831	8:00	T	.0010	.0754	4:00	T	.0010	.3065	:40	.03	.0185	.0813
:05	.01	.0074	.4836	:10	T	.0010	.0756	:20	0	0	.3065	:43	.02	.0123	.0821
:20	.02	.0098	.4858	:12	.01	.0036	.0757					:46	.02	.0123	.0835
:35	.01	.0074	.4880	:15	.01	.0055	.0759	May 25-28	0	0	0	:49	.02	.0123	.0845
:50	.01	.0055	.4896	:43	.01	.0055	.0765	May 29 15				:50	.03	.0185	.0850
9:00	.01	.0036	.4904	:45	.02	.0098	.0768	p. m.				:51	.12	.0727	.0862
10:00	.01	.0036	.4940	:47	.02	.0154	.0810	6:34	0	0	0	:52	.26	.163	.0870
11:00	T	.0010	.4963	:49	.04	.0252	.0817	:35	.12	.0727	.0006	:53	.20	.129	.0882
:30	T	.0010	.4968	:55	.05	.0326	.0846	:36	.16	.0986	.0021	:54	.26	.163	.0894
12:00	0	0	.4971	:58	.07	.0413	.0865	:37	.20	.121	.0040	2:00	.21	.129	.0927
Apr. 21-				9:00	.07	.0456	.0879	:40	.14	.0850	.0092	:04	.14	.0850	.1104
May 5	0	0	0	:02	.10	.0610	.0897	:42	.10	.0610	.0116	:07	.08	.0505	.1138
May 6 13				:03	.14	.0850	.0908	:44	.07	.0413	.0133	:08	.07	.0413	.1146
p. m.				:04	.24	.145	.0928	:46	.04	.0252	.0144	:10	.05	.0326	.1158
6:42	0	0	0	:05	.40	.246	.0961	:47	.03	.0185	.0149	:12	.04	.0252	.1168
:43	.25	.154	.0013	:06	.52	.321	.1009	:49	.02	.0123	.0154	:14	.03	.0185	.1175
:44	.54	.334	.0054	:08	.57	.349	.1120	:51	.01	.0074	.0157	:18	.02	.0123	.1185
:45	1.38	.850	.0155	:10	.48	.295	.1226	:54	.01	.0036	.0160	:24	.01	.0074	.1195
:46	2.26	1.39	.0345	:11	.40	.246	.1272	7:00	T	.0010	.0162	:30	.01	.0055	.1202
:47	2.64	1.63	.0602	:13	.33	.202	.1345	:31	0	0	.0162	:45	.01	.0036	.1213
:48	2.86	1.76	.0891	:15	.24	.145	.1403	9:29	0	0	0	3:00	.01	.0036	.1222
				:17	.18	.113	.1446	:30	T	.0010		4:00	T	.0010	.1245
				:20	.14	.0850	.1496	:31	0	0		5:00	T	.0010	.1250
				:25	.10	.0610	.1557								
				:31	.08	.0505	.1613								

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.

<sup>13</sup> Total rainfall for storm of May 6, 0.96 inch. Total soil loss in run-off water 0.5010 ton per acre. Wheat 6.5 inches high. Soil wet and soft.

<sup>14</sup> Total rainfall for storm of May 24, 1.72 inches. Total soil loss in run-off water

0.0808 ton per acre. Wheat 11 inches, clover and grass  $\frac{1}{2}$  inch high. Soil dry and loose.

<sup>15</sup> Total rainfall for storms of May 29, 0.17 inch and 0.25 inch; May 30, 1.03 inches. Total soil loss in run-off water for these storms 0.0428 ton per acre. Wheat 15 inches, clover and grass 1 inch, weeds 1 inch high. Soil dry and loose.



TABLE 31.—Run-off from watershed 115, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
May 30			May 30			June 9 <sup>16</sup>			June 11 <sup>18</sup>		
a. m.	Second-foot Inches per hour	Inches	p. m.	Second-foot Inches per hour	Inches	a. m.	Second-foot Inches per hour	Inches	p. m.	Second-foot Inches per hour	Inches
6:00-----	T	0.0010	7:54-----	0.01	0.0074	5:00-----	T	0.0248	1:00-----	T	0.0027
:12-----	T	0.0010	8:00-----	.01	.0074	:05-----	0	0	:05-----	0	0
:17-----	.01	.0036	:10-----	.01	.0074	June 10 <sup>17</sup>			1:25-----	0	0
:19-----	.01	.0074	:22-----	.02	.0123	p. m.			:26-----	T	.0010
:21-----	.02	.0123	:30-----	.02	.0154	1:15-----	0	0	:28-----	.01	.0036
:22-----	.03	.0185	:45-----	.02	.0154	:17-----	T	.0010	:29-----	.02	.0123
:23-----	.04	.0252	:55-----	.02	.0123	:18-----	.01	.0036	:30-----	.07	.0413
:24-----	.05	.0326	9:00-----	.02	.0098	:19-----	.01	.0074	:31-----	.21	.129
:25-----	.07	.0413	:05-----	.01	.0074	:20-----	.03	.0185	:32-----	.44	.270
:27-----	.08	.0505	:15-----	.01	.0036	:21-----	.04	.0252	:33-----	.71	.439
:31-----	.07	.0413	10:00-----	T	.0010	:22-----	.05	.0326	:34-----	.88	.540
:33-----	.05	.0326	:20-----	0	0	:23-----	.07	.0413	:35-----	.91	.558
:36-----	.04	.0252				:25-----	.08	.0505	:36-----	.98	.540
:40-----	.03	.0185	May 31-			:26-----	.12	.0727	:38-----	.71	.439
:45-----	.02	.0123	June 7	0	0	:27-----	.21	.129	:39-----	.57	.349
:50-----	.02	.0098	June 8 <sup>16</sup>			:28-----	.44	.270	:40-----	.44	.270
:55-----	.01	.0074	p. m.			:29-----	.94	.577	:41-----	.33	.202
7:00-----	.01	.0055	2:49-----	0	0	:30-----	1.58	.973	:43-----	.21	.129
:20-----	.01	.0036	:50-----	.01	.0036	:31-----	2.02	1.24	:45-----	.16	.0986
:40-----	.01	.0036	:51-----	.04	.0252	:32-----	2.32	1.43	:47-----	.12	.0727
:44-----	.01	.0036	:52-----	.07	.0413	:33-----	2.12	1.31	:50-----	.08	.0505
:48-----	.01	.0074	:53-----	.12	.0727	:34-----	1.83	1.13	:51-----	.07	.0413
8:00-----	.01	.0074	:54-----	.13	.0778	:35-----	1.58	.973	:53-----	.05	.0326
:20-----	.02	.0098	:56-----	.12	.0727	:36-----	1.27	.782	:54-----	.04	.0252
:40-----	.02	.0098	:59-----	.08	.0505	:37-----	1.06	.653	:56-----	.03	.0185
9:00-----	.02	.0123	3:00-----	.05	.0326	:39-----	1.20	.739	:59-----	.02	.0123
:05-----	.03	.0185	:02-----	.04	.0252	:40-----	1.34	.825	2:00-----	.02	.0098
:08-----	.04	.0252	:03-----	.03	.0185	:42-----	1.50	.924	:05-----	.01	.0055
:13-----	.05	.0326	:06-----	.01	.0074	:44-----	1.27	.782	:10-----	T	.0023
:18-----	.04	.0252	:09-----	.01	.0036	:45-----	1.06	.653	:30-----	T	.0947
:22-----	.03	.0185	:14-----	T	.0010	:47-----	.71	.439			
:28-----	.02	.0123	:26-----	0	0	:49-----	.48	.295	June 12 <sup>19</sup>		
:40-----	.01	.0074	June 9 <sup>16</sup>			:51-----	.33	.202	p. m.		
10:00-----	.01	.0036	a. m.			:52-----	.26	.163	12:12-----	.01	.0036
11:00-----	.01	.0036	1:25-----	0	0	:53-----	.21	.129	:13-----	.01	.0036
:05-----	.01	.0055	:28-----	T	.0010	:54-----	.16	.0986	:14-----	.04	.0252
:45-----	.01	.0036	:29-----	.01	.0036	:55-----	.12	.0727	:15-----	.18	.113
12:00-----	.01	.0036	:30-----	.02	.0123	:57-----	.08	.0505	:16-----	.36	.224
			:31-----	.07	.0413	:58-----	.07	.0413	:17-----	.52	.321
p. m.			:32-----	.12	.0727	2:09-----	.05	.0326	:18-----	.82	.505
1:00-----	T	.0010	:33-----	.18	.113	:02-----	.04	.0252	:19-----	1.06	.653
2:00-----	T	.0010	:34-----	.21	.129	:05-----	.03	.0185	:20-----	1.27	.782
:30-----	T	.0010	:36-----	.18	.113	:08-----	.02	.0123	:21-----	1.58	.973
:50-----	T	.0023	:38-----	.14	.0850	:14-----	.01	.0074	:22-----	1.66	1.02
:55-----	.01	.0036	:40-----	.10	.0610	:20-----	.01	.0055	:23-----	1.50	.924
3:00-----	.01	.0074	:42-----	.07	.0413	:26-----	.01	.0055	:24-----	1.27	.782
:12-----	.02	.0123	:43-----	.05	.0326	:30-----	.01	.0074	:25-----	.94	.577
:14-----	.03	.0185	:44-----	.04	.0252	:35-----	.01	.0074	:26-----	.76	.471
:18-----	.04	.0252	:45-----	.03	.0185	:50-----	.01	.0036	:27-----	.61	.377
:22-----	.05	.0290	:47-----	.02	.0123	3:00-----	T	.0023	:28-----	.44	.270
:27-----	.04	.0252	:50-----	.01	.0074	:15-----	.01	.0036	:29-----	.36	.224
:33-----	.03	.0185	:55-----	.01	.0036	:17-----	.01	.0036	:30-----	.30	.182
:45-----	.02	.0123	2:00-----	T	.0023	:18-----	.02	.0123	:32-----	.21	.129
4:00-----	.02	.0123	:05-----	T	.0010	:20-----	.03	.0185	:34-----	.16	.0986
:15-----	.02	.0123	:30-----	0	0	:22-----	.04	.0252	:36-----	.12	.0727
:17-----	.02	.0123				:23-----	.07	.0413	:38-----	.08	.0505
:22-----	.03	.0185	4:00-----	0	0	:24-----	.08	.0505	:40-----	.07	.0413
:24-----	.04	.0252	:03-----	.01	.0036	:25-----	.10	.0610	:41-----	.05	.0326
:26-----	.05	.0326	:04-----	.02	.0123	:26-----	.12	.0727	:43-----	.04	.0252
:28-----	.07	.0413	:06-----	.05	.0326	:27-----	.13	.0778	:45-----	.03	.0185
:30-----	.08	.0505	:07-----	.14	.0850	:29-----	.12	.0727	:47-----	.02	.0123
:33-----	.10	.0610	:08-----	.16	.0986	:31-----	.10	.0610	:50-----	.01	.0074
:36-----	.12	.0727	:09-----	.16	.0986	:33-----	.07	.0413	:55-----	.01	.0036
:39-----	.13	.0778	:12-----	.14	.0850	:34-----	.05	.0326	1:00-----	T	.0010
:43-----	.12	.0727	:13-----	.10	.0610	:35-----	.04	.0252	:10-----	0	0
:46-----	.10	.0610	:15-----	.07	.0413	:37-----	.03	.0185			
:48-----	.08	.0505	:17-----	.04	.0252	:38-----	.02	.0123	8:56-----	0	0
:54-----	.07	.0413	:19-----	.04	.0216	:42-----	.01	.0074	:57-----	.01	.0036
5:00-----	.06	.0370	:21-----	.04	.0252	:46-----	.01	.0036	:58-----	.03	.0185
:04-----	.05	.0326	:22-----	.05	.0326	:56-----	T	.0010	:59-----	.07	.0413
:09-----	.04	.0252	:23-----	.07	.0413	4:00-----	T	.0010	9:00-----	.57	.349
:21-----	.04	.0252	:24-----	.08	.0505	:10-----	0	0	:01-----	1.06	.653
:31-----	.03	.0185	:26-----	.09	.0551	June 11 <sup>18</sup>			:02-----	1.34	.825
:46-----	.03	.0185	:28-----	.08	.0505	p. m.			:03-----	1.34	.825
:52-----	.04	.0252	:30-----	.07	.0413	12:22-----	0	0	:04-----	1.20	.739
:57-----	.05	.0326	:31-----	.05	.0326	:25-----	T	.0010	:05-----	1.00	.615
6:00-----	.05	.0326	:33-----	.04	.0252	:29-----	T	.0023	:06-----	.82	.505
:08-----	.04	.0252	:35-----	.03	.0185	:30-----	.01	.0074	:07-----	.66	.407
:20-----	.03	.0185	:37-----	.02	.0123	:31-----	.02	.0123	:08-----	.57	.349
7:00-----	.03	.0185	:39-----	.01	.0074	:33-----	.02	.0123	:09-----	.44	.270
:06-----	.02	.0123	:42-----	.01	.0036	:38-----	.01	.0074	:10-----	.36	.224
:12-----	.01	.0074	:50-----	T	.0010	:43-----	.01	.0036	:12-----	.24	.145
:22-----	.01	.0036				:53-----	T	.0010	:14-----	.16	.0986
:30-----	T	.0023							:16-----	.12	.0727
:40-----	T	.0023									
:46-----	.01	.0036									

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.

<sup>16</sup> Total rainfall for storm of June 8, 0.32 inch and June 9, 0.38 inch (gage at Y101). Total soil loss in run-off water for these storms 0.0115 ton per acre. Wheat 22 inches, clover and grass 3 inches, weeds 3 inches high. Soil dry and soft.

<sup>17</sup> Total rainfall for storm of June 10, 0.79 inch. Total soil loss in run-off water 0.0711 ton per acre. Wheat 22 inches, clover and grass 3 inches, weeds 3 inches high. Soil dry and soft.

<sup>18</sup> Total rainfall for storm of June 11, 0.25 inch. Total soil loss in run-off water 0.0162 ton per acre. Wheat 23 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.

<sup>19</sup> Total rainfall for storms of June 12, 0.35 inch and 0.24 inch. Total soil loss in run-off water for these storms 0.0543 ton per acre. Wheat 23 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.



TABLE 31.—Run-off from watershed 115, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
June 12			June 18 <sup>20</sup>			June 26 <sup>22</sup>			June 28 <sup>23</sup>		
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>
9:18 <sup>3</sup>	0.08	0.0505	4:20	0.21	0.129	12:15	0	0	9:11	3.04	1.87
20 <sup>3</sup>	0.07	0.0413	22	0.16	0.086	19	T	0.0010	13	2.64	1.63
21 <sup>3</sup>	0.05	0.0326	23	0.12	0.0727	20	0.01	0.0036	15	1.75	1.08
23 <sup>3</sup>	0.04	0.0252	26	0.08	0.0505	21	0.02	0.0098	16	1.34	0.825
25 <sup>3</sup>	0.03	0.0185	27	0.07	0.0413	23	0.02	0.0098	18	1.06	0.653
28 <sup>3</sup>	0.02	0.0123	29	0.05	0.0326	24	0.03	0.0185	20	0.82	0.505
32 <sup>3</sup>	0.01	0.0074	31	0.04	0.0252	25	0.05	0.0326	22	0.61	0.377
36 <sup>3</sup>	0.01	0.0036	33	0.03	0.0185	28	0.07	0.0413	24	0.44	0.270
42 <sup>3</sup>	T	0.0010	36	0.02	0.0123	30	0.05	0.0326	26	0.33	0.202
54 <sup>3</sup>	T	0.0010	41	0.01	0.0074	32	0.04	0.0252	28	0.24	0.145
			47	0.01	0.0036	34 <sup>3</sup>	0.03	0.0185	30	0.18	0.113
June 13-17	0	0	5:00	T	0.0010	37 <sup>3</sup>	0.02	0.0123	36	0.14	0.0850
June 18 <sup>20</sup>			2:00	0	0	43 <sup>3</sup>	0.01	0.0074	41	0.12	0.0727
<i>a. m.</i>						55 <sup>3</sup>	0.01	0.0036	43	0.10	0.0610
7:52	0	0	June 19-22	0	0	1:00 <sup>3</sup>	0.01	0.0036	45	0.08	0.0505
55	T	0.0010	June 23 <sup>21</sup>			20 <sup>3</sup>	T	0.0010	48	0.07	0.0413
56	0.01	0.0036	<i>p. m.</i>			40 <sup>3</sup>	T	0.0010	54	0.05	0.0326
59	T	0.0023	8:24	0	0	46 <sup>3</sup>	0.01	0.0036	57	0.05	0.0326
8:00	0.01	0.0074	25	T	0.0010	51 <sup>3</sup>	0.01	0.0036	10:00	0.07	0.0413
8:05	0.01	0.0036	26	0.01	0.0074	57 <sup>3</sup>	0.01	0.0036	02	0.08	0.0505
10	T	0.0010	27	0.04	0.0252	2:00 <sup>3</sup>	0.01	0.0036	05	0.10	0.0610
20	T	0.0010	28	0.14	0.0850	20 <sup>3</sup>	T	0.0010	08	0.11	0.0665
25	0.01	0.0036	29	0.57	0.349	3:00 <sup>3</sup>	T	0.0010	12	0.10	0.0610
30	0.01	0.0036	30	1.13	0.696	20 <sup>3</sup>	0	0	14	0.08	0.0505
40	T	0.0010	31	1.66	1.02	June 27	0	0	16	0.07	0.0413
9:00	T	0.0010	32	2.21	1.36	June 28 <sup>23</sup>			18	0.05	0.0326
12	T	0.0010	33	2.32	1.43	<i>a. m.</i>			21	0.04	0.0252
15	0.01	0.0036	34	2.21	1.36	7:44	0	0	23	0.03	0.0185
35	0.01	0.0036	35	1.93	1.19	45	0.01	0.0036	25	0.02	0.0123
41	0.01	0.0074	36	1.42	0.875	46	0.02	0.0123	29 <sup>3</sup>	0.01	0.0074
47	0.01	0.0074	37	1.06	0.653	47	0.24	0.145	35 <sup>3</sup>	T	0.0036
53	0.01	0.0036	38	0.82	0.505	48	1.20	0.739	40 <sup>3</sup>	T	0.0010
10:00	T	0.0010	39	0.71	0.439	49	3.22	1.98	52 <sup>3</sup>	T	0.0010
30	T	0.0010	40	0.57	0.349	50	4.17	2.57	June 29	0	0
11:00	T	0.0010	41	0.44	0.270	51	3.88	2.39	June 30 <sup>24</sup>		
15	T	0.0010	42	0.33	0.202	52	3.35	2.06	<i>p. m.</i>		
18	0.01	0.0036	43	0.26	0.163	53	2.64	1.63	6:42	0	0
19	0.01	0.0036	44	0.21	0.129	54	2.26	1.39	48	T	0
20	0.05	0.0326	46	0.16	0.086	55	2.26	1.39	50	0.01	0.0036
21	0.12	0.0727	47	0.12	0.0727	56	2.64	1.63	58	0.01	0.0074
22	0.18	0.113	49	0.08	0.0505	57	2.86	1.76	7:00	0.01	0.0074
23	0.24	0.145	53	0.07	0.0413	59	2.53	1.56	10	0.01	0.0036
25	0.24	0.145	54	0.05	0.0326	8:00	2.12	1.31	30	T	0.0023
27	0.18	0.113	56	0.04	0.0252	01	1.58	0.973	8:00	T	0.0010
29	0.12	0.0727	9:00	0.04	0.0185	02	1.13	0.696	10:00	T	0.0010
31	0.08	0.0505	15	0.04	0.0185	03	0.82	0.505	12	T	0.0010
33	0.05	0.0326	19	0.04	0.0252	05	0.52	0.321	17	0.01	0.0036
35	0.04	0.0252	25	0.04	0.0252	07	0.36	0.224	32	0.01	0.0036
37	0.03	0.0185	35	0.05	0.0326	09	0.28	0.172	34	0.01	0.0074
39	0.02	0.0123	40	0.06	0.0370	11	0.44	0.270	35	0.02	0.0123
42	0.01	0.0074	45	0.06	0.0370	12	0.71	0.439	36	0.03	0.0185
46	0.01	0.0036	49	0.05	0.0326	13	1.13	0.696	37	0.04	0.0252
54	T	0.0010	55	0.04	0.0252	14	1.34	0.825	38	0.05	0.0326
12:00	T	0.0010	10:00 <sup>3</sup>	0.04	0.0216	15	1.58	0.973	39	0.07	0.0413
12:30	0	0	05 <sup>3</sup>	0.03	0.0185	17	1.27	0.782	40	0.08	0.0505
3:35	0	0	15 <sup>3</sup>	0.02	0.0123	18	1.00	0.615	43	0.09	0.0554
38	T	0.0010	30 <sup>3</sup>	0.01	0.0074	19	0.76	0.471	45	0.08	0.0505
39	0.01	0.0036	50 <sup>3</sup>	0.01	0.0036	20	0.61	0.377	48	0.07	0.0413
40	0.02	0.0123	11:00 <sup>3</sup>	T	0.0023	22	0.44	0.270	51	0.05	0.0326
41	0.07	0.0413	15 <sup>3</sup>	T	0.0010	23	0.33	0.202	54	0.05	0.0326
42	0.21	0.129	35 <sup>3</sup>	0	0	24	0.26	0.163	55	0.07	0.0413
43	0.40	0.246	June 24	0	0	25	0.21	0.129	58	0.08	0.0505
44	0.57	0.349	June 25 <sup>22</sup>			27	0.14	0.0850	59	0.10	0.0610
45	0.71	0.439	<i>p. m.</i>			29	0.08	0.0505	11:00	12	0.0727
48	0.94	0.577	7:10	0	0	30	0.07	0.0413	05	13	0.0778
49	1.20	0.739	11	T	0.0010	31	0.05	0.0326	10	13	0.0778
50	1.66	1.02	12	0.01	0.0036	33	0.04	0.0252	15	12	0.0727
51	2.42	1.49	13	0.02	0.0123	35 <sup>3</sup>	0.03	0.0185	16	10	0.0610
52	3.22	1.98	14	0.04	0.0252	37 <sup>3</sup>	0.02	0.0123	18	08	0.0505
53	3.88	2.39	15	0.05	0.0326	40 <sup>3</sup>	0.01	0.0036	20	07	0.0413
55	4.24	2.61	16	0.07	0.0413	50 <sup>3</sup>	T	0.0010	23	05	0.0326
56	3.61	2.22	18	0.07	0.0456	56 <sup>3</sup>	0.01	0.0036	25	07	0.0413
59	2.47	1.52	20	0.07	0.0413	58 <sup>3</sup>	0.03	0.0185	26	10	0.0610
4:00	2.47	1.52	22	0.05	0.0326	59	0.21	0.129	27	12	0.0727
03	3.54	2.18	25	0.04	0.0252	9:00	0.88	0.540	29	16	0.0986
05	2.75	1.69	28	0.03	0.0185	01	1.66	1.02	30	18	0.113
06	2.12	1.31	31 <sup>3</sup>	0.02	0.0123	02	2.32	1.43	35	21	0.129
07	1.58	0.973	35 <sup>3</sup>	0.01	0.0074	03	2.75	1.69	45	21	0.129
08	1.20	0.739	50 <sup>3</sup>	0.01	0.0055	04	2.98	1.84	48	18	0.113
10	0.82	0.505	8:00 <sup>3</sup>	0.01	0.0036	05	2.98	1.84	54	16	0.0986
12	0.57	0.349	145 <sup>3</sup>	T	0.0010	06	2.75	1.69	12:00	12	0.0727
15	0.36	0.224	9:00 <sup>3</sup>	T	0.0010	08	2.32	1.43	July 1 <sup>24</sup>		
18	0.26	0.163	20 <sup>3</sup>	0	0	09	2.32	1.43	<i>a. m.</i>		
						10	2.75	1.69	12:03	10	0.0610
									07	08	0.0505

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.  
<sup>20</sup> Total rainfall for storms of June 18, 0.41 inch and 0.68 inch. Total soil loss in run-off water 0.1405 ton per acre. Wheat 28 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.

<sup>21</sup> Total rainfall for storm of June 23, 0.77 inch. Total soil loss in run-off water 0.0466 ton per acre. Wheat 30 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.

<sup>22</sup> Total rainfall for storm of June 25, 0.18 inch and June 26, 0.11 inch. Total soil

loss in run-off water for these storms 0.0040 ton per acre. Wheat 31 inches, clover and grass 3 inches, weeds 4 inches high. Soil moist and soft.

<sup>23</sup> Total rainfall for storm of June 28, 1.79 inches. Total soil loss in run-off water 0.1548 ton per acre. Wheat 32 inches, clover and grass 3 inches, weeds 4 inches high. Soil moist and soft.

<sup>24</sup> Total rainfall for storm of June 30 and July 1, 0.76 inch. Total soil loss in run-off water 0.0035 ton per acre. Wheat 33 inches, clover and grass 3 inches, weeds 4 inches high. Soil moist and soft.



TABLE 31.—Run-off from watershed 115, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
July 1				July 22 <sup>26</sup>				July 23 <sup>27</sup>				July 26 <sup>29</sup>			
a. m.				p. m.				p. m.				p. m.			
12:15.....	0.08	0.0505	0.1287	4:20.....	T	T	0.0253	7:47.....	3.10	1.91	0.3308	8:00.....	0.10	0.0610	0.0015
:18.....	.07	.0413	.1310	5:15.....	T	T		:48.....	2.80	1.72	.3617	:01.....	.14	.0850	.0027
:21.....	.05	.0326	.1329	:19.....	T	.0010		:49.....	2.42	1.49	.3891	:02.....	.18	.113	.0044
:24.....	.04	.0252	.1343	:45.....	T	T		:50.....	2.16	1.33	.4131	:03.....	.28	.172	.0068
:28.....	.03	.0185	.1358	6:00.....	T	T		:51.....	1.83	1.13	.4340	:04.....	.42	.258	.0106
:33.....	.02	.0123	.1371	7:30.....	0	0	.0259	:52.....	1.54	.949	.4517	:05.....	.48	.295	.0153
:43.....	.01	.0074	.1387					:53.....	1.27	.782	.4664	:07.....	.54	.334	.0257
:53.....	.01	.0074	.1399	July 23 <sup>27</sup>				:54.....	1.03	.634	.4784	:10.....	.42	.258	.0405
:55.....	.02	.0123	.1402	p. m.				:55.....	.85	.522	.4882	:11.....	.36	.224	.0446
:57.....	.03	.0185	.1407	12:15.....	0	0	0	:56.....	.69	.423	.4962	:13.....	.24	.145	.0507
:58.....	.04	.0252	.1411	:17.....	T	.0010		:57.....	.54	.334	.5026	:15.....	.18	.113	.0550
1:00.....	.05	.0326	.1421	:18.....	.01	.0036		:58.....	.44	.270	.5087	:17.....	.11	.0665	.0580
:03.....	.07	.0413	.1440	:19.....	.01	.0074	.0001	:59.....	.36	.224	.5119	:18.....	.09	.0554	.0590
:07.....	.05	.0326	.1465	:20.....	.07	.0413	.0005	8:00.....	.30	.182	.5154	:19.....	.07	.0456	.0599
:10.....	.04	.0252	.1479	:21.....	.18	.113	.0018	:01.....	.24	.145	.5182	:20.....	.06	.0370	.0606
:13.....	.03	.0185	.1490	:22.....	.36	.224	.0047	:02.....	.20	.121	.5205	:22.....	.04	.0252	.0616
:17.....	.02	.0123	.1500	:23.....	.52	.321	.0093	:03.....	.16	.0986	.5224	:24.....	.03	.0185	.0623
:23.....	.01	.0074	.1510	:24.....	.59	.362	.0151	:04.....	.13	.0778	.5239	:26.....	.02	.0123	.0628
:35.....	.01	.0036	.1521	:25.....	.57	.349	.0211	:05.....	.11	.0665	.5251	:28.....	.01	.0074	.0631
:45.....	.01	.0036	.1527	:26.....	.52	.321	.0268	:06 <sup>3</sup> .....	.09	.0554	.5261	:32.....	.01	.0036	.0635
2:00.....	T	.0023	.1535	:27.....	.40	.246	.0316	:07 <sup>3</sup> .....	.07	.0456	.5270	:37.....	T	.0010	.0637
:12.....	T	.0023	.1540	:28.....	.30	.182	.0361	:08 <sup>3</sup> .....	.07	.0413	.5274	:45.....	0	0	.0638
:15.....	.01	.0036	.1542	:29.....	.21	.129	.0379	:09 <sup>3</sup> .....	.05	.0326	.5280				
:19.....	.01	.0074	.1546	:30.....	.16	.0986	.0398	:10 <sup>3</sup> .....	.05	.0290	.5285	July 27 <sup>30</sup>			
:24.....	.02	.0123	.1554	:31.....	.12	.0727	.0413	:11 <sup>3</sup> .....	.04	.0252	.5290	p. m.			
:26.....	.02	.0154	.1559	:32.....	.08	.0505	.0423	:12 <sup>3</sup> .....	.04	.0216	.5294	6:10.....	0	0	0
:30.....	.02	.0154	.1569	:33.....	.07	.0413	.0431	:13 <sup>3</sup> .....	.03	.0185	.5297	:15.....	T	T	
:33.....	.02	.0123	.1576	:34.....	.05	.0326	.0437	:14 <sup>3</sup> .....	.02	.0154	.5300	:21.....	T	T	
:36.....	.01	.0074	.1581	:35.....	.04	.0252	.0442	:15 <sup>3</sup> .....	.02	.0123	.5302	:22.....	T	.0023	
:48.....	.01	.0036	.1592	:36.....	.02	.0154	.0445	:16 <sup>3</sup> .....	.02	.0098	.5306	:24.....	.01	.0055	.0001
3:00.....	T	.0023	.1598	:37.....	.02	.0123	.0447	:19 <sup>3</sup> .....	.01	.0074	.5309	:29.....	T	.0023	.0004
:20.....	T	.0010	.1603	:38.....	.01	.0074	.0449	:20 <sup>3</sup> .....	.01	.0055	.5310	:34.....	T	.0010	.0005
4:00.....	T	T	.1606	:40.....	.01	.0036	.0451	:23 <sup>3</sup> .....	.01	.0036	.5312	:45.....	0	0	.0006
:20.....	0	0	.1606	:45.....	T	.0010	.0453	:26 <sup>3</sup> .....	T	.0023	.5313				
July 2-10.....	0	0	0	:45.....	T	.0010	.0453	:30 <sup>3</sup> .....	T	.0010	.5314	July 28-Aug.			
July 11 <sup>25</sup>				1:00.....	T	T	.0454	:40 <sup>3</sup> .....	T	T	.5315	13.....	0	0	0
p. m.				:20.....	0	0	.0454	9:00 <sup>3</sup> .....	0	0	.5315	Aug. 14 <sup>31</sup>			
5:10.....	0	0	0	4:57.....	0	0	0	July 24 <sup>28</sup>				p. m.			
:25.....	T	T		:58.....	T	.0010		8:39.....	0	0	0	1:35 <sup>3</sup> .....	0	0	0
:27.....	T	.0010		:59.....	.01	.0036		:40.....	T	T		2:00 <sup>3</sup> .....	T	.0010	.0008
:30.....	T	.0023	.0001	5:00.....	.01	.0055	.0001	:41.....	T	.0010		:09 <sup>3</sup> .....	T	.0023	.0010
:33.....	T	.0023	.0002	:01.....	.02	.0123	.0003	:42.....	T	.0023		:10 <sup>3</sup> .....	.02	.0154	.0012
:34.....	.01	.0036	.0003	:02.....	.10	.0610	.0009	:43.....	.01	.0036	.0001	:11 <sup>3</sup> .....	.07	.0413	.0017
:37.....	.01	.0036	.0005	:03.....	.16	.0986	.0023	:44.....	.03	.0185	.0003	:12 <sup>3</sup> .....	.13	.0778	.0027
:43.....	T	.0010	.0007	:04.....	.14	.163	.0045	:45.....	.14	.0850	.0012	:13.....	.22	.137	.0045
:55.....	0	0	.0008	:05.....	.28	.172	.0074	:46.....	.26	.163	.0033	:14.....	.33	.202	.0074
July 12-21.....	0	0	0	:07.....	.30	.182	.0132	:47.....	.35	.213	.0065	:15.....	.40	.246	.0112
July 22 <sup>26</sup>				:08.....	.26	.163	.0161	:48.....	.36	.224	.0102	:18.....	.28	.172	.0217
p. m.				:09.....	.21	.129	.0186	:49.....	.36	.224	.0140	:19.....	.22	.137	.0254
3:06.....	0	0	0	:10.....	.16	.0986	.0205	:50.....	.35	.213	.0177	:20.....	.17	.106	.0275
:07.....	T	.0010		:11.....	.14	.0850	.0221	:51.....	.31	.192	.0212	:21.....	.13	.0778	.0291
:08.....	.01	.0055	.0001	:12.....	.10	.0610	.0233	:52.....	.25	.154	.0241	:22.....	.10	.0610	.0303
:10.....	.01	.0074	.0003	:13.....	.08	.0505	.0242	:53.....	.20	.121	.0264	:23.....	.07	.0413	.0312
:11.....	.02	.0154	.0005	:14.....	.07	.0413	.0250	:54.....	.10	.0610	.0279	:24.....	.05	.0290	.0318
:12.....	.04	.0216	.0008	:15.....	.05	.0326	.0256	:55.....	.13	.0778	.0291	:25.....	.04	.0216	.0322
:16.....	.02	.0154	.0020	:16.....	.04	.0252	.0261	:56.....	.10	.0610	.0303	:27.....	.02	.0154	.0328
:17.....	.04	.0216	.0023	:17.....	.03	.0185	.0265	:57.....	.08	.0505	.0312	:29.....	.02	.0123	.0333
:19.....	.05	.0290	.0031	:19.....	.02	.0123	.0270	:58.....	.07	.0413	.0320	:30.....	.02	.0154	.0335
:20.....	.06	.0370	.0037	:22.....	.01	.0074	.0275	:59.....	.06	.0370	.0327	:33.....	.04	.0252	.0345
:21.....	.07	.0413	.0044	:27.....	.01	.0036	.0280	9:00.....	.05	.0326	.0333	:35.....	.04	.0216	.0353
:22.....	.05	.0505	.0052	:37.....	T	.0010	.0284	:01.....	.04	.0252	.0338	:38.....	.03	.0185	.0363
:24.....	.10	.0610	.0070	:50.....	T	T	.0285	:03.....	.03	.0185	.0345	:42.....	.02	.0123	.0373
:27.....	.11	.0665	.0102	6:00.....	T	T		:05.....	.02	.0123	.0350	:44.....	.01	.0074	.0376
:29.....	.09	.0554	.0124	:05.....	0	0	.0285	:08.....	.01	.0074	.0355	:46.....	.01	.0036	.0378
:31.....	.07	.0456	.0141	7:26.....	0	0	0	:12.....	.01	.0036	.0359	:52.....	T	.0010	.0380
:34.....	.05	.0290	.0160	:29.....	T	T		:21.....	T	.0010	.0362	3:00.....	T	T	.0381
:37.....	.07	.0456	.0179	:32.....	T	.0010		:35.....	T	T	.0363	:10.....	0	0	.0391
:39.....	.07	.0456	.0194	:35.....	.01	.0036	.0001	10:00.....	0	0	.0363	Aug. 15-17.....	0	0	0
:40.....	.08	.0505	.0202	:36.....	.03	.0185	.0003	July 25.....	0	0	0	Aug. 18 <sup>32</sup> .....			
:44.....	.06	.0370	.0231	:37.....	.26	.163	.0018	p. m.				5:57.....	0	0	0
:45.....	.04	.0252	.0236	:38.....	1.06	.653	.0081	7:48.....	0	0	0	6:06.....	T	T	
:46.....	.03	.0185	.0240	:39.....	1.93	1.19	.0144	:53.....	T	T		:07.....	T	.0010	
:47.....	.02	.0123	.0243	:40.....	3.10	1.91	.0508	:57.....	T	T		:14.....	T	.0010	.0001
:49.....	.01	.0074	.0246	:41.....	4.02	2.48	.0782	:58.....	.02	.0123	.0001	:15.....	.04	.0216	.0003
:51.....	.01	.0036	.0248	:42.....	4.31	2.65	.1317	:59.....	.07	.0413	.0006	:16.....	.21	.129	.0016
:55.....	T	.0010	.0250	:43.....	4.24	2.61	.1764								
4:00.....	T	.0010	.0251	:44.....	4.02	2.48	.2198								
				:45.....	3.68	2.27	.2603								
				:46.....	3.35	2.06	.2970								

<sup>25</sup> Corrections for silt or ice were estimated and applied to observed gage heights.<sup>26</sup> Total rainfall for storm of July 11, 0.47 inch. No soil loss in run-off water. Wheat 35 inches, clover and grass 5 inches, weeds 4 inches high. Soil moist and soft.<sup>27</sup> Total rainfall for storm of July 22, 0.87 inch. Total soil loss in run-off water 0.0058 ton per acre. Grass 5 inches, clover 6 inches, weeds 7 inches high. (Wheat harvested July 12.) Soil moist and soft.<sup>28</sup> Total rainfall for storm of July 23, 0.37 inch and 1.15 inches. Total soil loss in run-off water 0.1854 ton per acre. Grass 5 inches, clover 6 inches, weeds 7 inches high. Soil moist and soft.<sup>29</sup> Total rainfall for storm of July 24, 0.24 inch. Total soil loss in run-off water 0.0074 ton per acre. Grass 5 inches, clover 6 inches, weeds 7 inches high. Soil moist and soft.<sup>30</sup> Total rainfall for storm of July 26, 0.42 inch. Total soil loss in run-off water 0.0227 ton per acre. Grass 5 inches, clover 6 inches, weeds 7 inches high. Soil moist and soft.<sup>31</sup> Total rainfall for storm of July 27, 0.09 inch. No soil loss in run-off water. Grass 5 inches, clover 6 inches, weeds 7 inches high. Soil moist and soft.<sup>32</sup> Total rainfall for storm of Aug. 14, 0.39 inch. Total soil loss in run-off water 0.0109 ton per acre. Grass 6 inches, clover 6 inches, weeds 8 inches high. Soil dry and loose.<sup>33</sup> Total rainfall for storm of Aug. 18, 0.73 inch. Total soil loss in run-off water 0.0191 ton per acre. Grass 7 inches, clover 4 inches, weeds 10 inches high. Soil dry and loose.



TABLE 31.—Run-off from watershed 115, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Aug. 18				Aug. 27 <sup>33</sup>				Aug. 27 <sup>33</sup>				Aug. 29 <sup>34</sup>			
p. m.				a. m.				p. m.				p. m.			
6:17	0.42	0.258	0.0049	1:41	0.14	0.0850	0.0654	6:55	0	0	0	5:40	0.10	0.0610	0.0342
:18	.61	.377	.0103	:43	.12	.129	.0689	7:00	T	.0023	.0001	:42	.11	.0665	.0364
:20	.71	.439	.0238	:44	.30	.182	.0716	:07	.01	.0055	.0006	:45	.11	.0665	.0397
:22	.57	.349	.0368	:45	.33	.202	.0749	:12	.02	.0098	.0012	:50	.10	.0610	.0450
:23	.48	.295	.0423	:48	.42	.258	.0864	:17	.02	.0154	.0022	:58	.08	.0505	.0524
:26	.35	.213	.0550	:51	.31	.192	.0977	:20	.04	.0216	.0031	6:00	.07	.0413	.0539
:28	.42	.258	.0628	:53	.24	.145	.1033	:24	.05	.0290	.0048	:05	.05	.0326	.0570
:30	.48	.295	.0719	:55	.16	.0986	.1073	:27	.06	.0320	.0065	:08	.04	.0252	.0584
:33	.40	.246	.0854	:57	.12	.0727	.1101	:33	.07	.0456	.0105	:11	.03	.0185	.0595
:35	.31	.192	.0925	:59	.08	.0505	.1121	:37	.07	.0413	.0134	:15	.02	.0123	.0602
:36	.24	.145	.0954	2:00	.07	.0413	.1129	:40	.05	.0326	.0153	:19	.01	.0074	.0609
:37	.17	.106	.0975	:02	.05	.0326	.1141	:44	.04	.0252	.0172	:26	.01	.0036	.0615
:38	.13	.0778	.0991	:03	.04	.0252	.1146	:47	.03	.0185	.0183	:37	T	.0010	.0619
:39	.10	.0610	.1003	:05	.03	.0185	.1153	:52	.02	.0123	.0196	:40	T	.0010	.0620
:40	.08	.0505	.1012	:07	.02	.0123	.1158	:57	.01	.0074	.0204	:42	T	.0023	.0621
:41	.06	.0370	.1019	:10	.01	.0074	.1163	8:00	.01	.0055	.0207	:43	.01	.0055	.0622
:42	.05	.0290	.1025	:13	.01	.0036	.1166	:03	.01	.0036	.0209	:44	.02	.0098	.0623
:43	.04	.0216	.1029	:20	T	.0010	.1169	:13	T	.0010	.0213	:45	.04	.0252	.0625
:44	.02	.0154	.1032	:35	0	0	.1170	:34	T	T	.0215	:46	.06	.0370	.0630
:45	.02	.0098	.1034					:35	T	.0023		:47	.09	.0554	.0638
:48	.01	.0055	.1038					:36	.01	.0074	.0216	:48	.13	.0778	.0649
:51	T	.0023	.1040					:37	.02	.0456	.0221	:50	.14	.0850	.0676
:55	T	.0010	.1041					:38	.26	.163	.0239	:52	.15	.0918	.0705
7:05	0	0	.1042					:39	.50	.308	.0279	:55	.14	.0850	.0749
Aug. 19-25	0	0	0	9:00	T	.0023	.0001	:40	.88	.540	.0351	7:00	.10	.0610	.0810
Aug. 26 <sup>33</sup>				:07	T	.0010	.0002	:41	1.23	.758	.0461	:03	.08	.0505	.0838
a. m.				:30	T	.0010	.0007	:43	1.50	.924	.0739	:06	.07	.0413	.0861
12:12	0	0	0	:33	.01	.0036	.0008	:45	1.42	.875	.1036	:09	.05	.0326	.0879
:20	T	T		:34	.02	.0123	.0009	:48	1.00	.615	.1409	:11	.04	.0252	.0889
:23	T	.0010		:35	.03	.0185	.0012	:50	.71	.439	.1583	:14	.03	.0185	.0899
:24	.04	.0252	.0002	:36	.04	.0252	.0016	:52	.52	.321	.1708	:18	.02	.0123	.0909
:25	.14	.0850	.0011	:37	.05	.0326	.0021	:55	.36	.224	.1844	:21	.01	.0074	.0914
:26	.24	.145	.0031	:38	.08	.0505	.0028	:58	.26	.163	.1941	:27	.01	.0036	.0920
:27	.36	.224	.0062	:39	.11	.0665	.0038	9:00	.21	.129	.1989	:36	T	.0010	.0923
:29	.33	.202	.0132	:40	.16	.0986	.0052	:03	.16	.0986	.2043	5:00	0	0	.0925
:30	.40	.246	.0170	:41	.24	.145	.0073	:07	.12	.0727	.2100				
:31	.33	.202	.0208	:42	.36	.224	.0104	:13	.08	.0505	.2162	Aug. 30 <sup>34</sup>			
:32	.25	.154	.0238	:43	.52	.321	.0150	:17	.07	.0413	.2193	a. m.			
:33	.20	.121	.0261	:44	.66	.407	.0212	:20	.05	.0326	.2212	6:35	0	0	0
:34	.15	.0918	.0279	:45	.82	.505	.0290	:24	.04	.0252	.2231	:36	.01	.0074	.0001
:35	.12	.0727	.0293	:47	.88	.540	.0462	:27	.03	.0185	.2242	:37	.03	.0185	.0002
:36	.10	.0610	.0304	:50	.71	.439	.0707	:32	.02	.0123	.2255	:38	.05	.0326	.0006
:37	.07	.0413	.0313	:52	.52	.321	.0832	:37	.01	.0074	.2263	:39	.07	.0413	.0012
:38	.05	.0326	.0319	:54	.40	.246	.0925	:44	.01	.0036	.2269	:40	.08	.0505	.0020
:39	.04	.0252	.0324	:55	.33	.202	.0963	:53	T	.0010	.2272	:41	.10	.0610	.0029
:41	.03	.0185	.0331	:56	.26	.163	.0994	10:10	0	0	.2273	:43	.14	.0850	.0053
:42	.02	.0123	.0334	:59	.17	.106	.1062	Aug. 28	0	0	0	:45	.20	.121	.0087
:44	.01	.0074	.0337	10:00	.15	.0918	.1079					:50	.25	.154	.0201
:47	.01	.0036	.0340	:01	.15	.0918	.1095	Aug. 29 <sup>34</sup>				:53	.26	.163	.0280
:52	T	.0010	.0342	:02	.17	.106	.1112	p. m.				:59	.38	.235	.0479
1:00	T	T	.0343	:03	.21	.129	.1132	3:30	0	0	0	:38	.38	.235	.0519
:15	0	0	.0343	:04	.26	.163	.1163	:34	T	T		:05	.38	.235	.0714
				:05	.44	.270	.1200	:36	.01	.0036	.0002	:11	.40	.246	.0955
				:06	.82	.505	.1266	:37	.07	.0413	.0008	:15	.36	.224	.1112
				:07	1.83	1.13	.1405	:39	.10	.0610	.0025	:25	.26	.163	.1434
				:08	2.21	1.36	.1616	:42	.09	.0554	.0054	:31	.21	.129	.1580
				:09	2.53	1.56	.1864	:44	.07	.0456	.0073	:37	.16	.0986	.1694
				:10	2.58	1.59	.2130	:46	.05	.0326	.0086	:45	.12	.0727	.1808
				:13	2.58	1.59	.2926	:47	.04	.0252	.0091	:52	.10	.0610	.1886
				:15	2.53	1.56	.3444	:49	.03	.0185	.0098	:57	.08	.0505	.1932
				:16	2.42	1.49	.3702	:51	.02	.0123	.0103	5:02	.07	.0413	.1970
				:17	2.32	1.43	.3950	:53	.01	.0074	.0106	:05	.05	.0326	.2001
				:18	2.21	1.36	.4180	:56	.01	.0036	.0109	:14	.04	.0252	.2035
				:19	2.02	1.24	.4409	:57	T	.0010	.0111	:32	.03	.0185	.2100
				:21	1.58	.973	.4774	:58	T	T	.0112	:45	.02	.0123	.2133
				:23	1.13	.696	.5050	4:00	T	T		:59	.01	.0074	.2156
				:25	.82	.505	.5248	:15	T	T		9:15	.01	.0036	.2171
				:27	.59	.362	.5390	:36	T	T		:25	T	.0023	.2176
				:29	.54	.334	.5506	:38	T	.0023	.0113	:35	T	.0010	.2179
				:33	1.00	.615	.5827	:41	.01	.0055	.0115	:40	T	.0023	.2180
				:37	.88	.540	.6214	:43	.01	.0074	.0117	:48	.01	.0036	.2184
				:40	.85	.522	.6480	:45	.01	.0074	.0119	:52	.01	.0074	.2188
				:44	.64	.392	.6786	:50	.01	.0036	.0124	:54	.02	.0123	.2191
				:47	.44	.270	.6952	:57	T	.0010	.0127	:56	.03	.0185	.2196
				:50	.30	.182	.7065	5:00	T	.0010	.0128	10:00	.04	.0252	.2211
				:52	.24	.145	.7119	:09	T	.0010	.0130	:08	.04	.0252	.2245
				:53	.18	.131	.7142	:10	.01	.0055	.0131	:11	.05	.0326	.2259
				:55	.14	.0850	.7178	:11	.02	.0098	.0132	:12	.07	.0413	.2265
				58 <sup>3</sup>	.10	.0610	.7215	:13	.02	.0154	.0136	:14	.08	.0505	.2280
				11:00 <sup>3</sup>	.07	.0456	.7233	:14	.02	.0154	.0139	:15	.10	.0610	.2289
				:02 <sup>3</sup>	.06	.0370	.7247	:15	.04	.0216	.0142	:19	.14	.0850	.2338
				:04 <sup>3</sup>	.05	.0290	.7258	:17	.05	.0290	.0150	:24	.18	.113	.2420
				:07 <sup>3</sup>	.04	.0216	.7271	:19	.06	.0370	.0161	:30	.24	.145	.2549
				:10 <sup>3</sup>	.02	.0154	.7280	:21	.07	.0413	.0174	:35	.33	.202	.2693
				:13 <sup>3</sup>	.02	.0098	.7286	:22	.08	.0505	.0182	:37	.36	.224	.2763
				:18 <sup>3</sup>	.01	.0055	.7292	:24	.09	.0554	.0199	:41	.38	.235	.2916
				:25 <sup>3</sup>	T	.0023	.7296	:29	.09	.0554	.0245	:47	.30	.182	.3124
				:50 <sup>3</sup>	0	0	.7301	:33	.08	.0505	.0280	:52	.21	.129	.3253
								:36	.08	.0505	.0305	:56	.16	.0986	.3329

<sup>3</sup> Corrections for silt or ice were estimated and applied to observed gage heights.<sup>33</sup> Total rainfall for storm of Aug. 26-27, 2.26 inches (gage at meteorological station). Total soil loss in run-off water 0.0845 ton per acre. Grass 7 inches, clover 4 inches, weeds 10 inches high. Soil dry and loose.<sup>34</sup> Total rainfall for storm of Aug. 29, 0.42 inch and Aug. 30, 0.75 inch. Total soil loss in run-off water for these storms 0.0107 ton per acre. Grass 7 inches, clover 4 inches, weeds 10 inches high. Soil dry to moist, loose.



TABLE 31.—Run-off from watershed 115, 1940—Continued

[illegible]

<sup>35</sup> Total rainfall for storm of Sept. 8, 0.19 inch. No soil loss in run-off water. Grass 6 inches, clover 4 inches, weeds 9 inches high. Soil dry and loose.

<sup>36</sup> Total rainfall for storm of Sept. 10, 0.29 inch. No soil loss in run-off water. Grass 6 inches, clover 4 inches, weeds 9 inches high. Soil dry and loose.

<sup>37</sup> Total rainfall for storm of Sept. 24-25, 0.50 inch. Total soil loss in run-off water 0.0006 ton per acre. Grass 6 inches, clover 4 inches, weeds 9 inches high. Soil dry and loose.

<sup>35</sup> Total rainfall for storm of Nov. 1, 1.33 inches. Total soil loss in run-off water 0.0003 ton per acre. Grass 3 inches, clover 2 inches, weeds 4 inches high. Soil dry and loose.

<sup>36</sup> Total rainfall for storm of Nov. 5, 0.52 inch; Nov. 11, 0.46 inch and 0.99 inch; and

Nov. 26, 0.65 inch (gage at meteorological station). Total soil loss in run-off water for these storms 0.0013 ton per acre. Grass 1.5 inches, clover 1.5 inches, weeds 3 inches high. Soil moist and soft.

<sup>40</sup> Total rainfall for storm of Dec. 12, 0.52 inch. No soil loss in run-off water. Grass 1 inch, clover 1 inch, weeds 2 inches high. Soil moist and soft.

<sup>41</sup> Total rainfall for storms of Dec. 16, 0.41 inch and 0.33 inch (gage at meteorological station). No soil loss in run-off water. Grass 1 inch, clover 1 inch, weeds 2 inches high. Soil moist and soft.

<sup>42</sup> Total rainfall for storms of Dec. 27, 0.26 inch; Dec. 28, 29, and 30, 0.79 inch. Total soil loss in run-off water for these storms 0.0015 ton per acre. Grass 1 inch, clover 1 inch, weeds 2 inches high. Soil moist and soft.

1 inch, weeds 2 inches high. Soil moist and soft.



TABLE 32.—Run-off from watershed 123, 1940

LOCATION: Latitude 40°22'24'', longitude 81°47'19''.

# PHYSICAL CHARACTERISTICS:

*Drainage area.*—1.37 acres.

*Length of principal watercourse.*—450 feet.

*Topography.*—Drainage area is of uniform slope without gullies or other marked drainage pattern. Aspect is to the south.

*Slope.*—Average slope is 5.8 percent. 62 percent of the watershed has a slope of less than 6 percent and 38 percent has a slope of 10 to 20 percent.

*Erosion condition.*—Sheet erosion has removed 25 to 50 percent of the topsoil from this watershed. There is no gully erosion. Erosional deposit at the lower end of watershed covers 15 square feet.

*Soil.*—Keene silt loam is the predominant soil.

*Special features.*—Records can be compared with those from lysimeter battery Y103 and adjoining watershed 115. All these units are under the same crop.

# LAND USE AND VEGETAL COVER:

*Land use distribution.*—Cropland, 100 percent. Plan calls for rotated crops under prevailing practices. Wheat was followed by meadow during 1940.

*Vegetal cover and soil condition.*—Litter during the growing season was composed of wheat stubble and straw averaging 200 pounds to the acre. Cover and soils were as follows:

January 11, soil moist and firm, wheat 4.5 inches high, frost penetration 5.5 inches.

January 25, soil moist and hard, wheat 4.5 inches high, frost penetration 7.5 inches.

February 8, soil dry and hard, wheat 4.5 inches high, frost penetration 7 inches.

February 23, soil moist and firm, wheat 4.5 inches high, frost penetration 1 inch.

March 6, soil soggy and soft, wheat 4.5 inches high. Deposit near flume. Numerous small rills.

March 21, soil fairly wet and soft, wheat 4.5 inches high.

April 5, soil moist and soft, wheat 5 inches high. Numerous rills.

April 24, soil fairly wet and soft, wheat 5 inches high. Deposits along rill channels.

May 8, soil fairly wet and soft; wheat 6 inches, clover and grass one-half inch high.

May 22, soil dry and loose; wheat 10 inches, clover and grass one-half inch high.

June 5, soil dry and soft; wheat 19 inches, clover and grass 3 inches, weeds 2 inches high.

June 17, soil moist and soft; wheat 30 inches, clover and

grass 3 inches, weeds 3 inches high. Scouring and pot holes in rills.

July 9, soil moist and soft; wheat 35 inches, clover and grass 5 inches, weeds 4 inches high.

July 13, wheat harvested, yield 21 bushels per acre.

July 24, soil moist and soft; grass 6 inches, clover 7 inches, and weeds 6 inches high.

August 9, soil dry and loose; grass 7 inches, clover 8 inches, and weeds 8 inches high.

August 22, soil dry and loose; grass 7 inches, clover 8 inches, and weeds 9 inches high.

September 13, soil dry and loose; grass 7 inches, clover 8 inches, and weeds 10 inches high.

September 27, soil moist and soft; grass 6 inches, clover 7 inches, and weeds 9 inches high.

October 10, soil dry and loose; grass 5 inches, clover 6 inches, and weeds 8 inches high.

October 24, soil dry and loose; grass 5 inches, clover 6 inches, and weeds 8 inches high.

November 7, soil moist and soft; grass 4 inches, clover 6 inches, and weeds 6 inches high.

November 28, soil moist and soft; grass 2 inches, clover 4 inches, and weeds 4 inches high.

December 11, soil moist and soft; grass 1 inch, clover 2 inches, and weeds 2 inches.

# MEASUREMENTS:

*Precipitation.*—Rainfall was measured at recording rain gage Y103 (fig. 2). Snowfall was measured by the rain gage supplemented by a snow board. Snow inventory was obtained by surveys and observations to determine depth, distribution, and water equivalent.

*Run-off.*—Run-off was measured by H flume of 2.5-foot depth. Run-off records are excellent. Silt deposits caused some inaccuracies of recession curves on major storms. The laboratory rating was used.

*Soil loss.*—Records of soil loss in run-off water were obtained by silt box and Ramser automatic silt sampler placed at outlet of measuring flume.

*Changes in instrumentation during year.*—Waterway was shaped and sodded during August.

# SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, DECEMBER 1938 TO DECEMBER 1940:

*Rainfall.*—Total precipitation 1940, 46.60 inches; average annual precipitation for period of record, 42.33 inches.

*Run-off.*—Annual run-off amount 1940, 7.74 inches; maximum rate of run-off for period of record, 1.68 inches per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches	Jan. 14 <sup>1</sup>	Second-foot	Inches per hour	Inches	Jan. 14 <sup>1</sup>	Second-foot	Inches per hour	Inches	Jan. 14 <sup>1</sup>	Second-foot	Inches per hour	Inches
Jan. 1-13...	0	0	0	a. m.				a. m.				a. m.			
Jan. 14 <sup>1</sup>				8:00-----	0.06	0.0432	0.0021	8:20-----	0.02	0.0179	0.0146	8:47-----	0.03	0.0216	0.0234
a. m.				:01-----	.05	.0383	.0028	:23-----	.02	.0145	.0154	:49-----	.02	.0179	.0241
7:55-----	0	0	0	:05-----	.06	.0432	.0055	:25-----	.02	.0145	.0159	:51-----	.02	.0145	.0246
:56-----	.01	.0064	.0001	:09-----	.07	.0483	.0085	:30-----	.02	.0179	.0172	:53-----	.02	.0114	.0250
:57-----	.03	.0216	.0003	:11-----	.07	.0483	.0101	:34-----	.03	.0216	.0185	:55-----	.01	.0088	.0253
:58-----	.05	.0337	.0008	:13-----	.05	.0383	.0115	:37-----	.03	.0216	.0196	:57-----	.01	.0064	.0256
:59-----	.05	.0383	.0014	:15-----	.04	.0294	.0126	:40-----	.04	.0253	.0208	9:00-----	.01	.0044	.0259
				:16-----	.04	.0253	.0131	:41-----	.04	.0253	.0212	:05-----	T	.0028	.0262
				:18-----	.03	.0216	.0139	:43-----	.03	.0216	.0220	:10-----	T	.0013	.0264

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.93 inch. Total soil loss in run-off water 0.077 ton per acre. Wheat 4.5 inches high. Soil moist and firm, frost penetration 5.5 inches.



TABLE 32.—Run-off from watershed 123, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
Jan. 14 <sup>1</sup>	Second-foot	Inches	Feb. 6 <sup>2</sup>	Second-foot	Inches	Feb. 10 <sup>3</sup>	Second-foot	Inches	Feb. 11 <sup>3</sup>	Second-foot	Inches
a. m.	per hour	per hour	a. m.	per hour	per hour	p. m.	per hour	per hour	a. m.	per hour	per hour
9:20	T	0.0265	2:35	0.09	0.0654	3:44	0	0	12:15	0.01	0.4681
:30	T		:37	0.09	0.0654	:45	T	0	:30	T	0.0044
:40	T	0.0013	:40	0.09	0.0717	:45	0.01	0.0083	:50	T	0.0013
:45	T	0.0028	:45	0.11	0.0783	:46	0.03	0.0216	:50	T	0.0013
:50	0.01	0.0064	:53	0.12	0.0852	:47	0.03	0.0216	1:10	T	0.4699
:55	0.01	0.0088	3:00	0.12	0.0852	:48	0.05	0.0337	:40	0	0.4699
:57	0.02	0.0145	:10	0.11	0.0783	:49	0.09	0.0654			
:59	0.03	0.0216	:25	0.09	0.0717	:50	0.13	0.0924			
10:00	0.04	0.0294	:30	0.09	0.0717	:51	0.18	0.133	Feb. 12 <sup>4</sup>		
:01	0.05	0.0337	:50	0.09	0.0654	:52	0.24	0.171	p. m.		
:04	0.05	0.0383	4:10	0.09	0.0654	:53	0.27	0.192	12:01	0	0
:07	0.05	0.0383	:20	0.08	0.0594	:55	0.24	0.171	:02	0.01	0.0064
:10	0.05	0.0337	:45	0.09	0.0654	:56	0.21	0.151	:03	0.02	0.0179
:30	0.05	0.0337	5:00	0.09	0.0654	:57	0.18	0.133	:04	0.05	0.0383
:35	0.04	0.0294	:05	0.08	0.0594	:58	0.17	0.124	:05	0.09	0.0654
:38	0.04	0.0253	:12	0.07	0.0537	:59	0.16	0.116	:06	0.12	0.0852
:40	0.03	0.0216	:17	0.07	0.0537	4:00	0.16	0.116	:07	0.14	0.100
:44	0.02	0.0179	:27	0.07	0.0483	:02	0.18	0.133	:08	0.15	0.108
:48	0.02	0.0145	:35	0.06	0.0432	:03	0.21	0.151	:09	0.16	0.116
:51	0.02	0.0114	:45	0.05	0.0383	:04	0.24	0.171	:10	0.17	0.124
:55	0.01	0.0088	:55	0.05	0.0337	:05	0.27	0.192	:11	0.20	0.142
11:00	0.01	0.0088	6:05	0.04	0.0294	:06	0.30	0.214	:13	0.21	0.151
:10	0.01	0.0064	:15	0.04	0.0253	:07	0.33	0.238	:15	0.22	0.161
:20	0.01	0.0044	:20	0.03	0.0216	:08	0.33	0.238	:16	0.25	0.181
:35	T	0.0028	:30	0.02	0.0179	:10	0.31	0.226	:17	0.28	0.203
:50	T	0.0013	:40	0.02	0.0145	:11	0.28	0.203	:18	0.30	0.214
12:00	T	0.0013	:50	0.02	0.0114	:12	0.27	0.192	:19	0.31	0.226
			7:00	0.01	0.0088	:14	0.24	0.171	:23	0.30	0.214
			:10	0.01	0.0064	:16	0.21	0.151	:25	0.27	0.192
12:20	T	0.0597	:20	0.01	0.0044	:18	0.18	0.133	:27	0.25	0.181
1:00	0	0.0597	:30	T	0.0028	:20	0.17	0.124	:30	0.21	0.151
			:45	T	0.0013	:22	0.16	0.116	:32	0.18	0.133
2:23	0	0	:55	T	0.0013	:25	0.15	0.108	:35	0.16	0.116
:24	0.01	0.0044	8:10	0	0	:30	0.15	0.108	:38	0.14	0.100
:25	0.02	0.0114	Feb. 7-8	0	0	:31	0.16	0.124	:40	0.12	0.0852
:26	0.04	0.0253				:32	0.20	0.142	:43	0.09	0.0717
:27	0.04	0.0294	Feb. 9 <sup>3</sup>			:38	0.21	0.151	:46	0.09	0.0654
:28	0.05	0.0337	p. m.			:40	0.21	0.151	:48	0.08	0.0594
:30	0.04	0.0294	6:55	0	0	:44	0.20	0.142	:50	0.07	0.0537
:31	0.04	0.0253	:56	T	0.0013	:45	0.18	0.133	:53	0.07	0.0483
:33	0.03	0.0216	:57	0.01	0.0044	:47	0.17	0.124	:57	0.06	0.0432
:35	0.02	0.0179	:58	0.01	0.0064	:48	0.16	0.116	1:00	0.05	0.0383
:37	0.02	0.0145	:59	0.02	0.0114	:50	0.14	0.100	:05	0.04	0.0294
:39	0.02	0.0114	7:00	0.02	0.0145	:52	0.13	0.0924	:10	0.04	0.0253
:42	0.01	0.0088	:01	0.03	0.0216	:53	0.12	0.0852	:15	0.03	0.0216
:47	0.01	0.0064	:03	0.04	0.0253	:55	0.11	0.0783	:20	0.02	0.0179
:50	0.01	0.0044	:06	0.04	0.0294	:56	0.09	0.0717	:25	0.02	0.0145
:55	T	0.0028	:08	0.04	0.0253	:59	0.09	0.0654	:35	0.01	0.0088
3:00	T	0.0013	:10	0.04	0.0253	5:00	0.09	0.0654	:40	0.01	0.0064
:10	T	0.0073	:17	0.03	0.0216	:03	0.08	0.0594	:50	0.01	0.0044
:20	0	0.0073	:22	0.02	0.0179	:10	0.08	0.0594	2:00	T	0.0028
			:27	0.02	0.0145	:15	0.09	0.0654	:15	T	0.0013
Jan. 15 -			:30	0.02	0.0114	:25	0.09	0.0717	:35	T	0.1251
Feb. 5	0	0	:35	0.02	0.0114	:35	0.09	0.0717	3:00	0	0.1251
			:40	0.01	0.0088	:40	0.09	0.0654			
Feb. 6 <sup>2</sup>			:50	0.01	0.0064	:43	0.09	0.0654	Feb. 12-13 <sup>4</sup>	( <sup>5</sup> )	( <sup>5</sup> )
a. m.			:55	0.01	0.0044	:46	0.09	0.0717			.1186
8:50	0	0	8:00	0.01	0.0044	:55	0.11	0.0783			
9:10	T	0.0013	:10	T	0.0028	6:05	0.09	0.0717	Feb. 14-17	0	0
:20	T	0.0013	:20	T	0.0013	:10	0.09	0.0717			
:30	T	0.0028	:30	T	0.0013	:20	0.11	0.0783	Feb. 18 <sup>6</sup>		
:40	0.01	0.0044	:55	T	0.0013	:25	0.11	0.0783	p. m.		
:47	0.01	0.0064	9:10	T	0.0013	:47	0.09	0.0717	1:16	0	0
:55	0.01	0.0088	:13	T	0.0013	:07	0.09	0.0717	:55	T	0.0013
10:02	0.02	0.0114	:15	0.01	0.0044	:15	0.09	0.0654	2:00	T	0.0028
:10	0.02	0.0114	:16	0.01	0.0088	:25	0.08	0.0594	:20	T	0.0013
:20	0.01	0.0088	:18	0.02	0.0145	:35	0.07	0.0537	:35	T	0.0044
:35	0.01	0.0064	:20	0.03	0.0216	:45	0.07	0.0483	:45	T	0.0044
:50	0.01	0.0044	:22	0.04	0.0253	8:00	0.06	0.0432	:50	T	0.0064
11:05	T	0.0028	:23	0.04	0.0294	:07	0.05	0.0383	3:00	0.01	0.0088
:15	T	0.0013	:24	0.05	0.0337	:10	0.05	0.0383	:10	0.01	0.0088
:20	T	0.0119	:25	0.06	0.0432	:20	0.06	0.0432	:45	0.02	0.0114
:30	0	0.0119	:26	0.07	0.0483	:30	0.05	0.0383	:50	0.02	0.0114
			:28	0.07	0.0483	:40	0.05	0.0383	4:15	0.02	0.0114
1:10	0	0	:31	0.06	0.0432	:50	0.06	0.0432	:30	0.01	0.0088
:45	0	0	:33	0.05	0.0383	:55	0.06	0.0432	:40	0.01	0.0064
2:00	T	0.0013	:36	0.05	0.0337	9:00	0.05	0.0383	:50	0.01	0.0044
:10	T	0.0028	:38	0.04	0.0294	:05	0.05	0.0337	5:05	T	0.0028
:20	0.01	0.0044	:41	0.04	0.0253	:15	0.04	0.0294	:30	T	0.0013
:22	0.01	0.0088	:45	0.03	0.0216	:25	0.04	0.0253	6:05	T	0.0224
:24	0.02	0.0145	:48	0.02	0.0179	:35	0.03	0.0216	:30	0	0
:25	0.03	0.0216	:55	0.02	0.0145	10:00	0.03	0.0216			
:26	0.04	0.0294	10:00	0.01	0.0088	:15	0.02	0.0179	Feb. 19-20 <sup>6</sup>	( <sup>5</sup> )	( <sup>5</sup> )
:27	0.05	0.0337	:07	0.01	0.0064	:30	0.02	0.0145			.1005
:29	0.05	0.0383	:15	0.01	0.0044	11:00	0.02	0.0114	Feb. 21-		
:30	0.06	0.0432	:25	T	0.0028	11:20	0.01	0.0088	Mar. 1	0	0
:32	0.07	0.0483	:35	T	0.0013	:30	0.01	0.0088			
:33	0.07	0.0537	:50	T	0.0084	12:00	0.01	0.0064			
:34	0.08	0.0594	11:00	0	0.0084						

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.93 inch. Total soil loss in run-off water 0.077 ton per acre. Wheat 4.5 inches high. Soil moist and firm, frost penetration 5.5 inches.

<sup>2</sup> Total rainfall for storm of Feb. 6, 0.52 inch. Total soil loss in run-off water 0.001 ton per acre. Melting snow and thawing soil contributed to run-off. Wheat 4.5 inches high. Soil dry and hard, frost penetration 7.0 inches.

<sup>3</sup> Total rainfall for storm of Feb. 9, 0.17 inch; Feb. 10, 0.62 inch; Feb. 11, 0.13 inch. Total soil loss in run-off water for these storms 0.726 ton per acre. Melting snow and thawing soil contributed to run-off. Wheat 4.5 inches high. Soil dry and hard, frost penetration 7.0 inches.

<sup>4</sup> Total rainfall for storm of Feb. 12-13, 0.06 inch. Total soil loss in run-off water 0.182 ton per acre. Melting snow and thawing soil contributed to run-off. Wheat 4.5 inches high. Soil dry and hard, frost penetration 5.0 inches.

<sup>5</sup> No rate record; accumulated run-off computed from silt-box measurements.

<sup>6</sup> Total rainfall for storm of Feb. 18, 0.71 inch; Feb. 19-20, 0.07 inch. Total soil loss for these storms in run-off water 0.005 ton per acre. Wheat 4.5 inches high. Soil moist and firm, frost penetration 1.0 inch.

<sup>7</sup> Corrections for silt or ice were estimated and applied to observed gage heights.



TABLE 32.—Run-off from watershed 123, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Mar. 2 <sup>8</sup>	Second-foot	Inches per hour	Inches	Mar. 3 <sup>8</sup>	Second-foot	Inches per hour	Inches	Mar. 3 <sup>8</sup>	Second-foot	Inches per hour	Inches	Mar. 18 <sup>10</sup>	Second-foot	Inches per hour	Inches
p. m.				a. m.				p. m.				p. m.			
8:50	0	0	0	5:33	0.08	0.0594	0.0117	9:36	0.11	0.0783	0.5475	5:58	0.09	0.0654	0.0062
:56	T	T		:35	0.09	0.0654	0.0138	:40	0.12	0.0852	0.5530	:59	0.11	0.0783	0.0074
9:00	T	0.0028	0.0001	:38	0.09	0.0717	0.0172	:42	0.13	0.0924	0.5559	6:00	0.14	0.100	0.0089
:03	0.01	0.0064	0.0003	:40	0.09	0.0717	0.0196	:45	0.13	0.0924	0.5605	:02	0.16	0.116	0.0125
:05	0.01	0.0114	0.0006	:41	0.09	0.0654	0.0208	:47	0.12	0.0852	0.5634	:04	0.20	0.142	0.0168
:08	0.02	0.0179	0.0013	:43	0.07	0.0537	0.0228	:55	0.13	0.0924	0.5752	:06	0.24	0.171	0.0219
:09	0.04	0.0253	0.0017	:45	0.06	0.0432	0.0244	10:00	0.14	0.100	0.5832	:07	0.28	0.203	0.0251
:10	0.04	0.0294	0.0022	:47	0.05	0.0383	0.0257	:02	0.15	0.108	0.5866	:08	0.31	0.226	0.0288
:12	0.05	0.0383	0.0033	:50	0.04	0.0294	0.0274	:04	0.15	0.108	0.5902	:09	0.35	0.251	0.0329
:14	0.07	0.0483	0.0047	:55	0.04	0.0253	0.0297	:07	0.14	0.100	0.5954	:10	0.38	0.276	0.0374
:16	0.08	0.0594	0.0065	6:00	0.02	0.0179	0.0315	:09	0.13	0.0924	0.5986	:12	0.44	0.317	0.0472
:18	0.09	0.0654	0.0086	:04	0.02	0.0114	0.0325	:13	0.12	0.0852	0.6045	:13	0.48	0.347	0.0528
:20	0.09	0.0717	0.0110	:08	0.01	0.0064	0.0331	:14	0.12	0.0852	0.6059	:14	0.50	0.362	0.0588
:25	0.11	0.0783	0.0172	:12	T	0.0028	0.0334	:18	0.09	0.0717	0.6112	:17	0.50	0.362	0.0769
:32	0.11	0.0783	0.0264	:16	T	0.0335	0.0335	:20	0.08	0.0594	0.6134	:20	0.44	0.317	0.0939
:40	0.09	0.0654	0.0360	:30	0	0	0.0335	:25	0.06	0.0432	0.6177	:22	0.38	0.276	0.1037
:45	0.07	0.0537	0.0409					:30	0.05	0.0337	0.6209	:23	0.36	0.263	0.1083
:50	0.06	0.0432	0.0449					:35	0.04	0.0253	0.6233	:24	0.31	0.226	0.1125
:57	0.05	0.0337	0.0494					:42	0.02	0.0179	0.6258	:25	0.28	0.203	0.1162
10:00	0.04	0.0294	0.0510	p. m.	0	0	0	:45	0.02	0.0145	0.6265	:27	0.27	0.192	0.1227
:05	0.04	0.0253	0.0533	:02	T	0.0028		:55	0.01	0.0064	0.6282	:28	0.24	0.171	0.1258
:10	0.02	0.0179	0.0551	:03	T	0.0028		11:00	0.01	0.0044	0.6286	:30	0.20	0.142	0.1309
:15	0.02	0.0145	0.0564	:04	0.02	0.0179	0.0002	:05	T	0.0028	0.6289	:32	0.17	0.124	0.1353
:25	0.02	0.0114	0.0586	:05	0.08	0.0594	0.0009	:10	T	0.0013	0.6291	:34	0.15	0.108	0.1391
:35	0.02	0.0114	0.0605	:06	1.38	1.00	0.0097	:15	T	0		:35	0.14	0.100	0.1409
:40	0.02	0.0145	0.0616	:07	1.88	1.36	0.0294	:30	0	0	0.6291	:40	0.11	0.0783	0.1483
:45	0.03	0.0216	0.0631	:08	2.16	1.56	0.0528					:45	0.08	0.0594	0.1540
:48	0.04	0.0294	0.0644	:09	2.16	1.56	0.0798	Mar. 4-16	0	0	0	:50	0.07	0.0483	0.1585
:50	0.05	0.0337	0.0654	:10	2.21	1.60	0.1062					:55	0.05	0.0383	0.1621
:55	0.07	0.0483	0.0688	:11	2.16	1.56	0.1326	Mar. 17 <sup>9</sup>				7:00	0.04	0.0294	0.1649
:57	0.07	0.0537	0.0705	:12	2.07	1.50	0.1581					:05	0.03	0.0216	0.1670
11:00	0.08	0.0594	0.0733	:13	1.93	1.40	0.1823	p. m.				:10	0.02	0.0179	0.1686
:05	0.09	0.0654	0.0785	:14	1.58	1.14	0.2035	2:34	0	0	0	:15	0.02	0.0114	0.1698
:12	0.09	0.0717	0.0865	:15	1.23	0.890	0.2205	:35	0.02	0.0145	0.0001	:20	0.01	0.0064	0.1705
:16	0.11	0.0783	0.0915	:16	1.03	0.746	0.2341	:36	0.04	0.0294	0.0005	:25	0.01	0.0044	0.1709
:20	0.11	0.0783	0.0967	:17	0.88	0.635	0.2456	:37	0.05	0.0383	0.0011	:32	T	0.0028	0.1713
:22	0.09	0.0717	0.0992	:18	0.74	0.534	0.2554	:38	0.07	0.0483	0.0018	:45	T	0	0.1716
:24	0.09	0.0654	0.1015	:19	0.59	0.426	0.2634	:39	0.09	0.0654	0.0028	8:10	T	0	0.1716
:28	0.09	0.0654	0.1059	:20	0.44	0.317	0.2744	:40	0.11	0.0783	0.0040				
:32	0.09	0.0717	0.1105	:21	0.35	0.251	0.2784	:41	0.13	0.0924	0.0055	Mar. 19-29	0	0	0
:38	0.11	0.0783	0.1180	:22	0.30	0.214	0.2819	:42	0.15	0.108	0.0072	Mar. 30 <sup>11</sup>			
:40	0.09	0.0717	0.1205	:23	0.27	0.192	0.2850	:44	0.16	0.116	0.0109				
:42	0.09	0.0654	0.1228	:24	0.24	0.171	0.2877	:45	0.17	0.124	0.0129	p. m.			
:45	0.08	0.0594	0.1259	:25	0.20	0.142	0.2900	:46	0.18	0.133	0.0151	1:20	0	0	0
:50	0.07	0.0537	0.1306	:26	0.17	0.124	0.2920	:47	0.18	0.133	0.0174	:21	0.01	0.0044	0.0002
12:00	0.07	0.0537	0.1396	:27	0.16	0.116	0.2939	:50	0.17	0.124	0.0238	:24	0.01	0.0044	0.0002
				:28	0.15	0.108	0.2972	:53	0.16	0.116	0.0298	:25	0.01	0.0064	0.0003
				:30	0.13	0.0924	0.3015	:58	0.15	0.108	0.0391	:26	0.01	0.0088	0.0004
Mar. 3 <sup>8</sup>				:33	0.11	0.0783	0.3172	3:00	0.13	0.0924	0.0424	:32	0.02	0.0114	0.0014
a. m.				:45	0.11	0.0783	0.3172	:02	0.13	0.0924	0.0454	:36	0.02	0.0145	0.0023
12:10	0.07	0.0483	0.1481	:55	0.12	0.0852	0.3314	:03	0.14	0.100	0.0470	:40	0.02	0.0145	0.0033
:30	0.06	0.0432	0.1633	6:00	0.12	0.0852	0.3380	:05	0.13	0.0924	0.0502	:50	0.02	0.0179	0.0060
1:07	0.06	0.0432	0.1899	:10	0.09	0.0717	0.3516	:07	0.12	0.0852	0.0531	:55	0.03	0.0216	0.0076
:08	0.07	0.0483	0.1907	:15	0.09	0.0654	0.3692	:17	0.12	0.0852	0.0673	2:00	0.02	0.0179	0.0092
:09	0.07	0.0717	0.1917	:32	0.09	0.0654	0.3769	:18	0.11	0.0783	0.0687	:07	0.02	0.0179	0.0113
:11	0.11	0.0783	0.1942	:35	0.09	0.0717	0.3803	:19	0.11	0.0783	0.0700	:15	0.03	0.0216	0.0139
:15	0.11	0.0783	0.1994	:37	0.11	0.0783	0.3828	:20	0.09	0.0717	0.0713	:20	0.03	0.0216	0.0157
:20	0.09	0.0717	0.2056	:40	0.12	0.0852	0.3869	:21	0.08	0.0594	0.0724	:35	0.02	0.0179	0.0206
:22	0.09	0.0654	0.2079	:45	0.13	0.0924	0.3943	:27	0.08	0.0594	0.0783	:45	0.02	0.0179	0.0236
:26	0.08	0.0594	0.2121	:50	0.15	0.108	0.4026	:30	0.07	0.0537	0.0811	:50	0.03	0.0216	0.0282
:28	0.07	0.0537	0.2140	:53	0.15	0.108	0.4080	:35	0.07	0.0483	0.0853	:54	0.04	0.0253	0.0268
:30	0.07	0.0483	0.2157	7:00	0.16	0.116	0.4211	:40	0.05	0.0383	0.0889	3:00	0.05	0.0337	0.0298
:35	0.05	0.0383	0.2193	:05	0.16	0.116	0.4307	:45	0.04	0.0294	0.0917	:05	0.05	0.0383	0.0328
:40	0.04	0.0294	0.2221	:10	0.15	0.108	0.4400	:51	0.03	0.0216	0.0943	:30	0.05	0.0383	0.0383
:45	0.03	0.0216	0.2242	:15	0.14	0.100	0.4486	4:00	0.02	0.0197	0.0973	:40	0.06	0.0432	0.0556
:50	0.02	0.0145	0.2257	:20	0.13	0.0924	0.4566	:08	0.02	0.0145	0.0995	:43	0.06	0.0432	0.0578
:55	0.01	0.0088	0.2267	:25	0.13	0.0924	0.4643	:10	0.02	0.0114	0.0999	:50	0.05	0.0383	0.0626
2:00	0.01	0.0064	0.2273	:30	0.12	0.0852	0.4717	:15	0.01	0.0088	0.1007	:57	0.05	0.0337	0.0668
:04	0.01	0.0044	0.2277	:40	0.11	0.0783	0.4854	:20	0.01	0.0064	0.1013	4:00	0.04	0.0294	0.0684
:10	T	0.0028	0.2281	:47	0.09	0.0717	0.4942	:25	0.01	0.0044	0.1017	:10	0.04	0.0253	0.0730
:17	T	0.0013	0.2283	:52	0.09	0.0654	0.4999	:30	T	0.0028	0.1020	:17	0.03	0.0216	0.0757
:25	T	0	0.2284	8:00	0.07	0.0537	0.5078	:35	T	0.0013	0.1022	:22	0.02	0.0179	0.0773
:35	0	0	0.2284	:10	0.06	0.0432	0.5159	:40	T	0	0.1023	:29	0.02	0.0179	0.0794
				:20	0.05	0.0337	0.5223	:50	0	0	0.1023	:36	0.02	0.0145	0.0813
5:04	0	0	0	:30	0.04	0.0253	0.5272					:40	0.02	0.0114	0.0822
:10	T	T		:40	0.02	0.0179	0.5308	Mar. 18 <sup>10</sup>				:48	0.01	0.0088	0.0835
:12	T	0.0028		:50	0.02	0.0114	0.5359	p. m.				:50	0.01	0.0064	0.0838
:15	0.01	0.0064	0.0002	9:00	0.01	0.0088	0.5364	5:30	0	0	0	:55	0.01	0.0064	0.0843
:17	0.02	0.0114	0.0005	:10	0.01	0.0064	0.5377	:35	T	0	0	5:00	0.01	0.0044	0.0847
:18	0.02	0.0179	0.0007	:20	0.01	0.0064	0.5388	:39							



TABLE 32.—Run-off from watershed 123, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Apr. 11 <sup>12</sup>				Apr. 12 <sup>12</sup>				Apr. 19 <sup>13</sup>				Apr. 20 <sup>13</sup>			
p. m.				a. m.				p. m.				a. m.			
6:44	0	0	0	12:45	T	0.0013	0.1822	11:00	1.00	0.723	0.6726	7:38	0.15	0.108	1.5391
:45	T	T		1:30	T	T	.1829	:05	1.06	.769	.7345	:41	.15	.108	1.5445
:48	T	T		2:09	0	0	.1829	:10	1.13	.818	.8004	:45	.14	.100	1.5515
:49	T	T						:15	1.20	.869	.8705	:48	.12	.0852	1.5561
7:05	T	.0013		Apr. 13-15	0	0	0	:20	1.27	.919	.9447	:50	.09	.0717	1.5587
:06	.01	.0044	.0001					:25	1.38	1.00	1.0243	:53	.08	.0594	1.5620
:07	.01	.0044	.0002	Apr. 19 <sup>13</sup>				:30	1.50	1.09	1.1115	:55	.07	.0483	1.5638
:08	.01	.0064	.0003	p. m.				:31	1.50	1.09	1.1300	:57	.05	.0383	1.5652
:10	.01	.0088	.0006	5:23	0	0	0	:32	1.46	1.06	1.1482	:59	.05	.0337	1.5664
:15	.02	.0114	.0014	:24	T	.0028		:34	1.31	.948	1.1812	S:00	.04	.0294	1.5669
:17	.02	.0145	.0018	:35	T	.0028	.0005	:36	1.16	.840	1.2107	:05	.03	.0216	1.5690
:19	.02	.0179	.0023	:45	T	.0013	.0009	:38	.97	.700	1.2367	:08	.02	.0179	1.5700
:20	.03	.0216	.0026	6:15	T	.0013	.0016	:39	.88	.635	1.2480	:15	.02	.0145	1.5719
:22	.04	.0294	.0034	:20	T	.0028	.0018	:40	.79	.573	1.2583	:45	.02	.0114	1.5745
:24	.05	.0383	.0045	:30	T	.0028	.0023	:41	.69	.497	1.2674	9:15	.01	.0088	1.5831
:25	.06	.0432	.0052	:35	.01	.0044	.0026	:42	.61	.443	1.2771	:45	.01	.0064	1.5873
:27	.06	.0432	.0066	:40	.01	.0044	.0030	:43	.50	.362	1.2840	12:00	.01	.0064	1.5889
:35	.05	.0383	.0120	:41	.01	.0064	.0031	:44	.38	.276	1.2894				
:40	.05	.0337	.0130	:45	.01	.0064	.0032	:45	.28	.203	1.2935				
:41	.05	.0337	.0136	:50	.01	.0088	.0038	:46	.24	.171	1.2967	p. m.			
:45	.05	.0383	.0180	:55	.02	.0114	.0046	:47	.21	.151	1.2994	12:15	.01	.0044	1.5903
:47	.06	.0432	.0193	7:00	.02	.0145	.0057	:48	.20	.142	1.3019	:30	T	.0028	1.5912
:50	.05	.0383	.0213	:05	.03	.0216	.0072	:50	.17	.124	1.3063	:50	T	.0013	1.5919
:53	.05	.0337	.0231	:07	.03	.0216	.0079	:54	.14	.100	1.3138	:50	T	.0013	1.5922
8:00	.04	.0294	.0268	:15	.02	.0179	.0105	:55	.13	.0924	1.3154	:09	.01	.0044	1.5924
:05	.05	.0337	.0294	:20	.02	.0145	.0118	:58	.11	.0783	1.3197	:11	.01	.0044	1.5925
:08	.05	.0383	.0312	:23	.02	.0114	.0124	12:00	.09	.0654	1.3221	:13	.01	.0064	1.5927
:09	.05	.0337	.0318	:25	.02	.0145	.0128					:18	.01	.0044	1.5931
:14	.05	.0383	.0348	:33	.02	.0145	.0147					:30	.01	.0044	1.5940
:16	.07	.0483	.0362	:35	.02	.0179	.0152					:50	T	.0028	1.5952
:17	.07	.0537	.0371	:40	.04	.0253	.0170					2:10	T	.0013	1.5959
:20	.08	.0594	.0399	:45	.04	.0294	.0193	12:03	.08	.0594	1.3252	:33	T	.0013	1.5961
:25	.07	.0537	.0446	:55	.05	.0337	.0246	:05	.07	.0537	1.3270	:55	0	0	1.5961
:28	.07	.0483	.0472	8:00	.05	.0337	.0274	:08	.06	.0432	1.3294				
:30	.06	.0432	.0487	:05	.05	.0383	.0304	:10	.05	.0383	1.3307	Apr. 21-			
:33	.05	.0383	.0507	:07	.05	.0383	.0317	:15	.05	.0337	1.3337	May 5	0	0	0
:36	.06	.0432	.0527	:10	.06	.0432	.0337	:25	.04	.0294	1.3391	May 6 <sup>14</sup>			
:37	.05	.0383	.0534	:15	.07	.0537	.0377	:45	.04	.0253	1.3481	p. m.			
:40	.06	.0432	.0554	:20	.08	.0594	.0424	1:00	.03	.0216	1.3540	6:42	0	0	0
:45	.05	.0383	.0588	:25	.09	.0717	.0478	:20	.02	.0179	1.3606	:43	.09	.0654	.0006
:48	.05	.0337	.0606	:30	.12	.0852	.0543	:40	.02	.0145	1.3660	:44	.22	.161	.0025
:50	.05	.0383	.0618	:35	.16	.116	.0626	:50	.02	.0145	1.3684	:45	.42	.303	.0064
:54	.07	.0483	.0647	:45	.15	.108	.0814	2:10	.02	.0114	1.3727	:46	.57	.410	.0125
:55	.07	.0537	.0656	:50	.15	.108	.0904	:35	.01	.0088	1.3769	:47	.85	.614	.0212
9:00	.09	.0654	.0705	:53	.14	.100	.0956	:45	.01	.0088	1.3784	:48	1.13	.818	.0334
:04	.11	.0783	.0753	:55	.15	.108	.0990	3:10	.01	.0064	1.3816	:49	1.31	.943	.0484
:05	.12	.0852	.0767	:58	.14	.100	.1042	:40	.01	.0044	1.3843	:51	1.31	.948	.0797
:08	.13	.0924	.0811	9:00	.14	.100	.1075	:55	.01	.0044	1.3854	:52	1.38	1.00	.0963
:12	.12	.0852	.0870	:05	.16	.116	.1165	4:25	.00	.0028	1.3872	:53	1.34	.970	.1130
:15	.11	.0783	.0911	:08	.17	.124	.1225	5:00	.00	.0013	1.3884	:54	1.27	.919	.1290
:17	.09	.0717	.0936	:10	.16	.116	.1265	6:23	.00	.0013	1.3902	:55	1.16	.840	.1439
:20	.09	.0654	.0970	:11	.15	.108	.1284	:24	.07	.0537	1.3907	:56	.97	.700	.1570
:25	.08	.0594	.1022	:14	.14	.100	.1336	:25	.09	.0654	1.3917	:57	.74	.534	.1675
:40	.08	.0594	.1171	:15	.12	.0852	.1352	:26	.09	.0717	1.3929	:58	.50	.362	.1751
:45	.09	.0654	.1223	:16	.13	.0924	.1367	:27	.12	.0852	1.3942	:59	.35	.251	.1803
:50	.09	.0717	.1280	:19	.12	.0852	.1411	:28	.18	.100	1.3958	7:00	.30	.214	.1843
:52	.11	.0783	.1305	:20	.13	.0924	.1426	:30	.16	.116	1.3995	:01	.25	.181	.1877
:57	.11	.0783	.1370	:25	.15	.108	.1509	:32	.20	.142	1.4038	:02	.22	.161	.1906
10:02	.12	.0852	.1438	:28	.16	.116	.1565	:33	.22	.161	1.4064	:04	.18	.133	.1935
:05	.13	.0924	.1482	:30	.16	.116	.1603	:34	.27	.192	1.4094	:05	.17	.124	.1977
:10	.13	.0924	.1559	:35	.13	.0924	.1689	:36	.28	.203	1.4159	:06	.11	.0783	.1994
:12	.12	.0852	.1583	:40	.11	.0783	.1760	:42	.28	.203	1.4303	:08	.08	.0594	.2017
:15	.11	.0783	.1629	:43	.09	.0717	.1798	:45	.27	.192	1.4461	:11	.07	.0537	.2045
:17	.09	.0654	.1653	:45	.09	.0717	.1822	:46	.25	.181	1.4493	:12	.06	.0432	.2053
:20	.07	.0537	.1683	:50	.12	.0852	.1857	:47	.22	.161	1.4522	:15	.06	.0432	.2075
:21	.06	.0432	.1691	:55	.14	.100	.1964	:48	.18	.133	1.4547	:16	.05	.0337	.2081
:22	.05	.0337	.1698	10:00	.16	.116	.2054	:52	.18	.133	1.4636	:20	.04	.0294	.2102
:25	.04	.0294	.1714	:02	.16	.116	.2092	:54	.20	.142	1.4682	:22	.05	.0337	.2112
:27	.03	.0216	.1722	:07	.18	.133	.2196	:56	.20	.142	1.4729	:23	.07	.0537	.2119
:30	.02	.0179	.1732	:08	.20	.142	.2219	:58	.21	.151	1.4778	:24	.11	.0783	.2130
:32	.02	.0145	.1737	:09	.20	.142	.2243	7:03	.22	.161	1.4907	:25	.12	.0852	.2144
:35	.02	.0145	.1744	:10	.22	.161	.2269	:04	.21	.151	1.4934	:27	.12	.0852	.2172
:36	.02	.0114	.1746	:12	.25	.181	.2325	:08	.20	.142	1.5032	:28	.11	.0783	.2186
:45	.01	.0088	.1761	:14	.28	.203	.2388	:10	.17	.124	1.5076	:29	.09	.0654	.2198
:52	.01	.0088	.1771	:16	.31	.226	.2459	:12	.15	.108	1.5114	:30	.08	.0594	.2209
:55	.01	.0064	.1775	:18	.36	.263	.2540	:14	.13	.0924	1.5147	:32	.07	.0483	.2227
:58	.01	.0044	.1778	:20	.42	.303	.2633	:16	.12	.0852	1.5176	:34	.05	.0383	.2241
11:05	.01	.0044	.1783	:22	.48	.347	.2740	:18	.09	.0717	1.5202	:36	.05	.0337	.2253
:15	T	.0028	.1789	:24	.57	.410	.2865	:20	.08	.0594	1.5224	:37	.04	.0294	.2258
:35	T	.0013	.1796	:26	.66	.479	.3012	:25	.06	.0432	1.5267	:40	.04	.0253	.2272
:40	.01	.0044	.1798	:28	.76	.553	.3182	:26	.06	.0432	1.5274	:42	.03	.0216	.2280
:45	.01	.0044	.1802	:30	.85	.635	.3378	:27	.05	.0383	1.5281	:47	.02	.0145	.2295
:55	T	.0028	.1808	:32	.97	.700	.3598	:28	.05	.0337	1.5287	:50	.02	.0114	.2301
12:00	T	.0028	.1810	:33	1.00	.723	.3719	:30	.05	.0383	1.5299	:52	.02	.0114	.2305
				:34	1.00	.723	.3842	:31	.05	.0383	1.5306	8:00	.01	.0064	.2317
Apr. 12 <sup>12</sup>				:36	.97	.700	.4077	:32	.06	.0432	1.5313	:15	.01	.0044	.2331
				:38	.91	.656	.4301	:33	.07	.0537	1.5321	:50	T	.0028	.2352
				:44	.88	.635	.4947	:34	.09	.0654	1.5331	9:30	T	.0013	.2366
				:45	.88	.635	.5055	:35	.11	.0783	1.5343	:45	T	.0013	.2368
12:20	T	.001													



TABLE 32.—Run-off from watershed 123, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
May 7-23	0	0	0	May 24 <sup>15</sup>				June 8 <sup>17</sup>				June 11 <sup>18</sup>			
May 24 <sup>15</sup>				p. m.				p. m.				p. m.			
6:44 a. m.	0	0	0	2:32	T	0.0028	0.0406	4:11	0.01	0.0044	0.0002	1:23	0	0	0
45	.01	.0044	.0001	38	T	.0028	.0409	13	T	.0028	.0003	25	T	T	
46	.02	.0114	.0001	3:00	T	.0013	.0416	15	T	.0013	.0004	27	T	.0013	
47	.02	.0145	.0003	25	T	.0013	.0421	35	T	.0006	.0006	28	T	.0028	.0001
48	.02	.0179	.0006	4:10	T	T	.0426	5:00	0	0	.0006	29	T	.01	.0064
49	.02	.0179	.0015	30	0	0						30	.02	.0179	.0004
51	.02	.0145	.0023	May 25-28	0	0	0	June 9 <sup>17</sup>				31	.05	.0337	.0008
54	.02	.0114	.0034	May 29 <sup>16</sup>				1:28 a. m.	0	0	0	32	.07	.0537	.0015
59	.02	.0088	.0037	p. m.	0	0	0	29	T	.0028	.0001	33	.09	.0654	.0025
7:01	.01	.0064	.0040	9:40	0	0	0	30	T	.0028	.0001	34	.09	.0717	.0037
03	.01	.0064	.0040	41	T	.0013	.0001	31	.01	.0044	.0002	35	.09	.0717	.0049
06	.01	.0044	.0043	42	.01	.0044	.0001	32	.01	.0064	.0002	36	.09	.0654	.0061
09	T	.0028	.0045	43	.01	.0064	.0002	33	.02	.0179	.0004	37	.07	.0537	.0071
15	T	.0013	.0047	44	.02	.0145	.0004	34	.02	.0179	.0007	38	.05	.0383	.0079
20	T	T	.0048	45	.02	.0179	.0007	35	.02	.0145	.0010	39	.04	.0294	.0085
30	0	0	.0048	46	.02	.0179	.0010	37	.02	.0114	.0014	40	.03	.0216	.0089
9:03	0	0	0	47	.02	.0145	.0013	39	.01	.0064	.0019	41	.02	.0179	.0092
04	T	.0013	.0001	50	.01	.0088	.0019	40	.01	.0044	.0018	42	.02	.0114	.0094
05	.01	.0088	.0001	52	.01	.0044	.0021	41	T	.0028	.0019	43	.01	.0088	.0096
06	.03	.0216	.0004	55	T	.0013	.0022	45	T	.0013	.0020	44	.01	.0064	.0097
07	.07	.0483	.0010	10:05	T	T	.0023	50	T	T	.0020	45	.01	.0044	.0098
08	.11	.0783	.0021	15	0	0	.0023	2:00	0	0		46	T	.0028	.0099
09	.14	.100	.0036	May 30 <sup>16</sup>				p. m.	0	0	0	50	T	.0013	.0100
10	.14	.100	.0053	a. m.	0	0	0	3:54	T	.0013	.0001	15	T	.0013	.0102
11	.11	.0783	.0068	1:10	T	T	0	55	T	.0013	.0002	45	0	0	.0104
12	.09	.0654	.0090	15	.01	.0044	.0002	58	T	.0013	.0002	June 12 <sup>19</sup>	(5)	(5)	.0512
13	.07	.0537	.0090	16	.02	.0179	.0002	4:02	T	.0028	.0002	June 13-17	0	0	0
14	.06	.0432	.0098	17	.05	.0383	.0007	04	T	.0028	.0004	June 18 <sup>20</sup>			
15	.05	.0337	.0105	18	.08	.0594	.0015	11	T	.0013	.0006	a. m.	0	0	0
17	.04	.0253	.0115	19	.11	.0783	.0027	25	T	.0028	.0007	11:15	0	0	0
18	.02	.0179	.0119	20	.11	.0783	.0040	32	T	.0013	.0008	18	T	T	
19	.02	.0145	.0122	21	.09	.0717	.0053	50	T	T	.0010	19	T	.0028	.0001
23	.02	.0114	.0132	22	.08	.0594	.0064	5:00	0	0	.0010	20	.01	.0064	.0004
28	.01	.0064	.0139	23	.07	.0483	.0073	15	0	0		21	.01	.0064	.0006
35	.01	.0064	.0146	24	.05	.0337	.0080	June 10 <sup>17</sup>				22	.01	.0044	.0007
45	.01	.0044	.0155	25	.04	.0253	.0085	p. m.	0	0	0	25	T	.0013	.0008
10:00	.01	.0044	.0166	26	.02	.0179	.0089	1:13	T	.0013	.0001	32	T	.0013	.0008
10	T	.0028	.0172	27	.02	.0145	.0092	19	T	.0013	.0001	33	0	0	.0008
25	T	.0013	.0177	28	.02	.0114	.0094	24	T	.0013	.0002	34	0	0	
11:21	T	.0013	.0189	29	.01	.0064	.0095	25	T	.0028	.0002	p. m.	0	0	0
22	T	.0028	.0190	30	.01	.0044	.0097	26	.01	.0064	.0004	3:35	0	0	0
24	.01	.0044	.0190	32	.01	.0044	.0099	27	.03	.0216	.0004	38	.01	.0044	.0002
25	.01	.0088	.0191	35	T	.0028	.0099	28	.07	.0537	.0010	39	.02	.0145	.0005
26	.02	.0179	.0193	46	T	.0028	.0104	29	.17	.124	.0025	40	.04	.0253	.0010
27	.03	.0216	.0196	48	.01	.0044	.0105	30	.28	.203	.0053	41	.05	.0337	.0017
28	.03	.0216	.0200	49	.01	.0064	.0106	31	.35	.251	.0092	42	.06	.0432	.0025
31	.02	.0179	.0210	50	.02	.0179	.0108	32	.35	.251	.0135	43	.07	.0537	.0035
33	.02	.0145	.0215	51	.04	.0253	.0112	33	.33	.238	.0177	45	.09	.0654	.0048
37	.02	.0114	.0224	52	.04	.0294	.0117	34	.27	.192	.0214	46	.12	.0852	.0065
41	.02	.0114	.0232	53	.04	.0294	.0122	35	.21	.151	.0243	47	.16	.116	.0089
42	.02	.0145	.0234	56	.03	.0216	.0135	36	.16	.116	.0266	48	.24	.171	.0130
45	.02	.0179	.0242	57	.02	.0179	.0138	37	.15	.108	.0285	49	.44	.317	.0204
47	.03	.0216	.0249	2:00	.02	.0114	.0145	38	.17	.124	.0305	50	.76	.553	.0315
49	.03	.0216	.0256	02	.01	.0064	.0148	39	.22	.161	.0329	51	1.03	.746	.0454
51	.02	.0179	.0263	05	.01	.0044	.0151	40	.28	.203	.0360	52	1.23	.890	.0612
55	.02	.0145	.0274	10	.01	.0044	.0155	41	.33	.238	.0397	53	1.34	.970	.0777
12:00	.02	.0114	.0285	20	T	.0028	.0161	42	.35	.251	.0439	54	1.34	.970	.0935
p. m.				30	T	.0013	.0165	43	.33	.238	.0480	55	1.10	.793	.1078
12:03	.01	.0088	.0290	50	T	T	.0167	44	.28	.203	.0518	56	1.03	.746	.1239
06	.01	.0064	.0294	3:10	0	0	.0167	45	.21	.151	.0548	57	1.03	.746	.1336
09	.01	.0064	.0297	4:28	0	0	0	46	.16	.116	.0571	58	1.13	.818	.1469
15	.01	.0044	.0302	30	T	.0013	.0001	47	.12	.0852	.0588	59	1.34	.970	.1621
30	T	.0028	.0311	32	T	.0028	.0008	48	.09	.0654	.0601	4:00	1.54	1.12	.1801
50	T	.0028	.0320	43	.01	.0044	.0008	49	.06	.0432	.0610	01	1.58	1.14	.1993
1:30	T	.0013	.0333	50	T	.0028	.0012	50	.05	.0383	.0617	02	1.50	1.09	.2182
57	T	.0013	.0339	5:10	T	.0013	.0019	51	.04	.0294	.0623	03	1.27	.919	.2353
58	.01	.0044	.0341	30	T	.0013	.0021	53	.03	.0216	.0631	04	1.03	.746	.2494
2:01	.01	.0044	.0341	50	0	0	.0021	55	.02	.0179	.0638	05	.82	.594	.2608
02	.02	.0114	.0342	May 31-	0	0	0	56	.02	.0145	.0641	06	.66	.479	.2699
03	.05	.0337	.0346	June 7	0	0	0	59	.01	.0088	.0647	07	.54	.393	.2773
04	.05	.0383	.0352	June 8 <sup>17</sup>				2:00	.01	.0064	.0648	08	.44	.317	.2833
05	.05	.0383	.0359	p. m.				02	.01	.0044	.0650	09	.33	.238	.2880
06	.04	.0294	.0365	4:04	0	0	0	04	T	.0028	.0651	10	.28	.203	.2918
07	.04	.0253	.0370	07	T	T	0	06	T	.0013	.0652	11	.24	.171	.2950
10	.02	.0179	.0381	09	T	.0013	.0001	20	T	T	.0654	12	.21	.151	.2978
12	.02	.0114	.0387	10	.01	.0044	.0001	3:15	T	T		13	.18	.133	.3001
14	.01	.0088	.0390					25	T	.0013	.0655	14	.16	.116	.3022
16	.01	.0064	.0393					35	T	.0013	.0657				
20	.01	.0064	.0397					45	T	T	.0658				
24	.01	.0044	.0401					4:10	0	0	.0658				

<sup>5</sup> No rate record; accumulated run-off computed from silt-box measurements.

<sup>15</sup> Total rainfall for storm of May 24, 1.72 inches. Total soil loss in run-off water 0.024 ton per acre. Wheat 10 inches high. Clover and grass 0.5 inch. Soil dry and loose.

<sup>16</sup> Total rainfall for storm of May 29, 0.42 inch and May 30, 1.03 inches. Total soil loss in run-off water for these storms 0.013 ton per acre. Wheat 15 inches high. Clover and grass 2.0 inches high. Soil dry and loose.

<sup>17</sup> Total rainfall for storm of June 8, 0.32 inch; June 9 and 10, no rainfall (gage at Y101). Total soil loss in run-off water 0.017 ton per acre. Wheat 23 inches, clover and grass 3 inches, weeds 2 inches high. Soil dry and soft.

<sup>18</sup> Total rainfall for storm of June 11, 0.25 inch (gage at Y101). Total soil loss in run-off water 0.004 ton per acre. Wheat 24 inches, clover and grass 3 inches, weeds 2 inches high. Soil moist and soft.

<sup>19</sup> Total rainfall for storm of June 12, 0.59 inch. Total soil loss in run-off water 0.016 ton per acre. Wheat 24 inches, clover and grass 3 inches, weeds 2 inches high. Soil moist and soft.

<sup>20</sup> Total rainfall for storms of June 18, 0.41 inch and 0.68 inch. Total soil loss in run-off water 0.035 ton per acre. Wheat 30 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.



TABLE 32.—Run-off from watershed 123, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
June 18 <sup>20</sup>			June 28 <sup>22</sup>			June 28 <sup>22</sup>			July 2-21		
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>		<i>Second-foot</i>	<i>Inches per hour</i>
4:16	0.14	0.100	7:47	0.16	0.116	9:31	0.16	0.8369			
:17	.12	.0852	:48	.48	.347	:36	.14	.8405			
:18	.11	.0783	:49	1.75	1.27	:40	.12	.8467	July 22 <sup>24</sup>		
:19	.09	.0654	:50	2.21	1.60	:42	.09	.8493	<i>p. m.</i>		
:20	.08	.0594	:51	2.32	1.68	:44	.09	.8516	2:53	0	0
:21	.07	.0483	:52	2.07	1.50	:46	.07	.8536	3:05	0	0
:23	.05	.0383	:53	1.83	1.33	:48	.07	.8553	:07	T	.0028
:25	.04	.0253	:54	1.50	1.09	:50	.06	.8563	:08	.01	.0044
:28	.02	.0179	:55	1.13	.818	:53	.05	.8588	:10	.01	.0044
:30	.02	.0145	:56	1.62	1.17	:57	.05	.8614	:12	.01	.0064
:32	.02	.0114	:57	1.88	1.36	10:00	.06	.8634	:17	.01	.0044
:34	.01	.0088	:58	1.83	1.33	:03	.07	.8654	:25	.01	.0044
:36	.01	.0064	:59	1.58	1.14	:05	.07	.8671	:27	.01	.0064
:38	.01	.0044	8:00	1.16	.840	:09	.07	.8707	:29	.01	.0064
:42	T	.0028	:01	.91	.656	:12	.07	.8733	:31	.01	.0064
:47	T	.0013	:02	.71	.516	:16	.05	.8762	:33	T	.0028
5:15	T	T	:03	.57	.410	:20	.04	.8785	:34	T	.0013
:45	0	0	:04	.44	.317	:23	.03	.8798	:36	0	0
June 19-22	0	0	:05	.31	.226	:26	.02	.8808			
June 23 <sup>21</sup>			:06	.22	.161	:30	.02	.8819	July 23 <sup>25</sup>		
<i>p. m.</i>			:07	.16	.116	:35	.01	.8829	<i>p. m.</i>		
8:24	0	0	:08	.12	.0852	:39	.01	.8834	12:17	0	0
:25	T	T	:09	.09	.0717	:43	.01	.8838	:20	T	T
:26	T	.0028	:10	.11	.0783	:45	.00	.8848	:22	T	.0013
:27	.01	.0064	:11	.15	.108				:23	T	.0028
:28	.03	.0216	:12	.21	.171	June 29	0	0	:24	.01	.0088
:29	.08	.0594	:13	.40	.290	June 30 <sup>23</sup>			:25	.05	.0383
:30	.15	.108	:14	.61	.443	<i>p. m.</i>	0	0	:26	.09	.0717
:31	.27	.192	:15	.74	.534	10:50	0	0	:27	.14	.100
:32	.36	.263	:16	.76	.553	:56	T	T	:28	.13	.0924
:33	.40	.290	:17	.69	.497	:58	T	.0013	:29	.08	.0783
:34	.40	.290	:18	.59	.426	11:00	T	.0028	:30	.08	.0594
:35	.35	.251	:19	.48	.347	:03	T	.0028	:31	.08	.0594
:36	.27	.192	:20	.38	.276	:15	T	.0013	:32	.05	.0337
:37	.20	.142	:21	.30	.214	:19	T	.0006	:33	.04	.0253
:38	.13	.0924	:22	.22	.161	:22	T	T	:34	.02	.0145
:39	.09	.0654	:23	.18	.133	:25	T	.0013	:36	.01	.0088
:40	.07	.0483	:24	.15	.108	:26	T	.0007	:38	.01	.0044
:41	.05	.0337	:25	.12	.0852	:27	T	.0008	:40	T	.0013
:42	.03	.0216	:26	.09	.0717	:28	.01	.0088	:43	T	T
:43	.02	.0145	:28	.08	.0594	:29	.01	.0088	:50	0	0
:44	.02	.0114	:30	.07	.0483	:30	.02	.0114	5:05	0	0
:45	.01	.0064	:32	.05	.0383	:32	.02	.0145	:08	T	T
:46	.01	.0088	:35	.04	.0294	:33	.02	.0145	:10	.02	.0179
:48	.01	.0088	:37	.03	.0216	:34	.02	.0145	:11	.06	.0432
:50	.01	.0064	:40	.02	.0145	:35	.02	.0145	:12	.09	.0654
:51	.01	.0064	:42	.02	.0114	:37	.02	.0145	:13	.09	.0717
:53	T	.0028	:44	.01	.0064	:38	.02	.0145	:14	.09	.0717
:55	T	.0013	:47	.01	.0044	:40	.02	.0145	:15	.09	.0717
9:00	T	T	:50	T	.0028	:42	.01	.0088	:16	.09	.0717
:35	T	T	:53	.01	.0013	:44	.01	.0088	:17	.07	.0537
:42	T	.0013	:56	.01	.0013	:46	.01	.0088	:18	.06	.0432
:45	T	.0013	:57	.01	.0044	:48	.01	.0088	:19	.05	.0337
10:10	0	0	:58	.02	.0145	:50	.01	.0088	:20	.04	.0253
June 24	0	0	:59	.09	.0717	:52	.01	.0088	:21	.03	.0216
June 25 <sup>22</sup>			9:00	.36	.263	:53	.01	.0088	:22	.02	.0145
<i>p. m.</i>			:01	.76	.553	:54	.01	.0088	:25	.01	.0088
7:10	0	0	:02	1.10	.793	:55	.01	.0088	:27	.01	.0044
:13	T	T	:03	1.34	.970	:56	.01	.0088	:28	T	.0028
:14	T	.0013	:04	1.58	1.14	:57	.01	.0088	:30	T	.0013
:15	.01	.0064	:05	1.70	1.23	:58	.01	.0088	:33	0	0
:17	.01	.0088	:06	1.70	1.23	:59	.01	.0088			
:18	.02	.0114	:08	1.66	1.20	:00	.01	.0088	7:37	0	0
:19	.02	.0114	:09	1.75	1.27	:01	.01	.0088	:40	T	T
:21	.01	.0088	:10	1.93	1.40	:02	.01	.0088	:42	T	.0013
:22	.01	.0064	:11	2.12	1.54	:03	.01	.0088	:43	T	.0028
:23	.01	.0044	:12	2.16	1.56	:04	.01	.0088	:44	.04	.0294
:24	T	.0028	:13	1.97	1.43	:05	.01	.0088	:45	.21	.151
:27	T	.0013	:14	1.83	1.33	:07	.01	.0088	:46	.64	.461
:32	T	.0013	:15	1.58	1.14	:10	.01	.0088	:47	1.13	.818
:45	0	0	:16	1.38	1.00	:17	.01	.0088	:48	1.54	1.12
June 26-27	0	0	:17	1.20	.869	:35	.01	.0088	:49	1.79	1.30
June 28 <sup>22</sup>			:18	1.10	.793				:50	1.93	1.40
<i>a. m.</i>			:19	1.00	.723	2:05	0	0	:51	1.97	1.43
7:45	0	0	:20	.88	.635	:12	T	T	:52	1.93	1.40
:46	.03	.0216	:21	.79	.573	:15	T	T	:53	1.83	1.33
			:22	.59	.426	:19	T	.0013	:54	1.70	1.23
			:23	.52	.377	:21	T	.0013	:55	1.58	1.14
			:24	.44	.317	:25	T	.0001	:56	1.46	1.06
			:25	.36	.263	:35	0	0	:57	1.34	.970
			:26	.31	.226						
			:27	.28	.203						
			:28	.25	.181						
			:29	.22	.161						
			:30	.18	.133						
			:32								

<sup>7</sup> Corrections for silt or ice were estimated and applied to observed gage heights.

<sup>20</sup> Total rainfall for storms of June 18, 0.41 inch and 0.68 inch. Total soil loss in run-off water 0.035 ton per acre. Wheat 30 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.

<sup>21</sup> Total rainfall for storm of June 23, 0.77 inch. Total soil loss in run-off water 0.005 ton per acre. Wheat 32 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.

<sup>22</sup> Total rainfall for storm of June 25, 0.18 inch and June 28, 1.79 inches. Total soil loss in run-off water for these storms 0.077 ton per acre. Wheat 32 inches, clover and grass 3 inches, weeds 3 inches high. Soil moist and soft.

<sup>23</sup> Total rainfall for storm of June 30 and July 1, 0.76 inch. Total soil loss in run-off water 0.006 ton per acre. Wheat 33 inches high. Clover, grass, and weeds 4.0 inches high. Soil moist and soft.

<sup>24</sup> Total rainfall for storm of July 22, 0.87 inch. Total soil loss in run-off water 0.0004 ton per acre. Grass 6 inches, clover 7 inches, weeds 6 inches high. Wheat harvested July 13 (35 inches high). Soil moist and soft.

<sup>25</sup> Total rainfall for storms of July 23, 0.37 inch and 1.15 inches. Total soil loss in run-off water 0.007 ton per acre. Grass 6 inches, clover 7 inches, weeds 6 inches high. Soil moist and soft.



TABLE 32.—Run-off from watershed 123, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
July 23 <sup>25</sup>				July 26 <sup>27</sup>				Aug. 26 <sup>30</sup>				Aug. 27 <sup>30</sup>			
p. m.				p. m.				a. m.				a. m.			
7:58	1.16	0.840	0.2423	8:07	0.17	0.124	0.0087	12:26	0.07	0.0537	0.0047	9:47	0.27	0.192	0.0248
:59	1.03	.746	.2568	:08	.17	.124	.0108	:27	.06	.0432	.0055	:48	.24	.171	.0279
8:00	.88	.635	.2685	:09	.16	.116	.0128	:28	.05	.0383	.0062	:49	.20	.142	.0306
:01	.74	.534	.2784	:10	.14	.100	.0146	:29	.04	.0294	.0068	:50	.17	.124	.0329
:02	.59	.426	.2866	:11	.12	.0852	.0162	:30	.03	.0216	.0072	:51	.14	.100	.0349
:03	.48	.347	.2932	:12	.09	.0654	.0175	:31	.02	.0179	.0075	:52	.12	.0852	.0365
:04	.40	.290	.2986	:13	.06	.0537	.0185	:32	.02	.0114	.0077	:53	.09	.0717	.0378
:05	.31	.226	.3040	:14	.06	.0432	.0193	:33	.01	.0064	.0080	:54	.08	.0594	.0389
:06	.24	.171	.3064	:15	.05	.0337	.0200	:34	.01	.0044	.0081	:55	.07	.0537	.0399
:07	.18	.133	.3090	:16	.04	.0253	.0205	:35				:56	.06	.0432	.0407
:08	.15	.108	.3111	:17	.03	.0216	.0209	:37	T	.0028	.0082	:58	.05	.0383	.0427
:09	.12	.0852	.3127	:18	.02	.0145	.0212	:40	T	.0013	.0083	:59	.05	.0383	.0433
:10	.09	.0717	.3140	:20	.01	.0088	.0216	:50	T		.0084	10:00	.05	.0383	.0433
:11	.08	.0594	.3151	:22	.01	.0044	.0218	1:00	0	0	.0084	:01	.06	.0432	.0440
:12	.07	.0483	.3160	:24	T	.0028	.0219					:02	.09	.0717	.0449
:13	.06	.0432	.3168	:26	T	.0013	.0220	Aug. 27 <sup>30</sup>				:03	.24	.171	.0469
:14	.05	.0337	.3175	:29	T			a. m.				:04	.48	.347	.0511
:15	.04	.0294	.3180	:40	0	0	.0220	12:55	0	0	0	:05	.76	.553	.0586
:16	.03	.0216	.3184					:56	.02	.0179	.0001	:06	1.03	.746	.0694
:17	.02	.0179	.3191	July 27-Aug.				:57	.07	.0483	.0006	:07	1.16	.840	.0826
:18	.02	.0114	.3196	13	0	0	0	:58	.08	.0594	.0015	:08	1.27	.919	.0972
:20	.02	.0088	.3198	Aug. 14 <sup>28</sup>				1:00	.09	.0717	.0037	:10	1.38	1.00	.1292
:21	.01	.0064	.3201	p. m.				:01	.09	.0654	.0048	:12	1.42	1.03	.1632
:23	.01	.0044	.3203	2:10	0	0	0	:03	.07	.0537	.0068	:13	1.42	1.03	.1804
:25	T	.0028	.3204	:12	T	.0013	.0007	:05	.05	.0383	.0083	:14	1.38	1.00	.1974
:30	T	.0013	.3205	:13	.11	.0783	.0007	:06	.04	.0294	.0089	:15	1.34	.970	.2138
:35	T			:14	.09	.0717	.0019	:07	.04	.0253	.0094	:16	1.31	.948	.2298
:40	T			:15	.07	.0537	.0029	:08	.02	.0179	.0098	:18	1.13	.818	.2595
:50	0	0	.3205	:16	.06	.0432	.0037	:10	.02	.0145	.0103	:19	1.00	.723	.2723
July 24 <sup>26</sup>				:17	.04	.0294	.0043	:11	.01	.0088	.0105	:20	.88	.635	.2835
p. m.				:18	.03	.0216	.0047	:12	.01	.0064	.0106	:21	.76	.553	.2934
8:39	0	0	0	:20	.02	.0145	.0053	:14	T	.0044	.0108	:22	.66	.479	.3020
:42	T	.0013	.0001	:21	.01	.0088	.0055	:16	T	.0028	.0109	:23	.57	.410	.3094
:45	T	.0001	.0005	:22	.01	.0044	.0058	:20	T	.0013	.0110	:24	.46	.332	.3156
:46	.01	.0064	.0001	:24	T	.0028	.0060	:25	T	.0013	.0111	:25	.40	.290	.3208
:47	.05	.0383	.0005	:28	T	.0013	.0061	:28	T	.0028	.0112	:26	.36	.263	.3254
:48	.07	.0537	.0013	:32	T	.0013	.0064	:29	.01	.0064	.0113	:27	.33	.238	.3296
:49	.09	.0654	.0023	3:00	T		.0064	:30	.02	.0114	.0114	:29	.33	.238	.3375
:50	.09	.0717	.0035	:20	0	0	.0064	:31	.02	.0179	.0116	:30	.35	.251	.3416
:51	.08	.0594	.0046	Aug. 15-17	0	0	0	:32	.04	.0253	.0120	:31	.38	.276	.3460
:52	.07	.0483	.0055	Aug. 18 <sup>29</sup>				:33	.05	.0337	.0125	:32	.42	.303	.3508
:53	.05	.0383	.0062	p. m.				:35	.04	.0294	.0135	:34	.46	.332	.3561
:54	.04	.0294	.0068	6:15	0	0	0	:37	.04	.0253	.0144	:35	.48	.347	.3610
:56	.02	.0179	.0076	:18	T	.0013	.0007	:39	.04	.0294	.0153	:37	.48	.347	.3733
:58	.02	.0114	.0081	:19	.01	.0044	.0007	:40	.05	.0337	.0158	:38	.46	.332	.3790
9:00	.01	.0064	.0084	:20	.12	.0852	.0007	:41	.07	.0483	.0165	:40	.40	.290	.3894
:02	T	.0028	.0086	:21	.15	.108	.0023	:42	.09	.0717	.0175	:42	.35	.251	.3984
:05	T	.0013	.0087	:23	.15	.108	.0059	:43	.15	.108	.0190	:43	.30	.214	.4023
:08	T			:24	.14	.100	.0076	:44	.17	.124	.0209	:44	.25	.181	.4056
:18	0	0	.0087	:25	.12	.0852	.0091	:45	.17	.124	.0230	:45	.22	.161	.4085
July 25	0	0	0	:26	.11	.0783	.0105	:47	.15	.108	.0261	:46	.18	.133	.4110
July 26 <sup>27</sup>				:28	.09	.0654	.0129	:48	.13	.0924	.0278	:47	.16	.116	.4131
p. m.				:30	.11	.0783	.0153	:49	.12	.0852	.0293	:48	.14	.100	.4149
6:11	0	0	0	:31	.15	.108	.0161	:50	.09	.0717	.0306	:49	.12	.0852	.4164
:15	T	.0028	.0001	:32	.17	.124	.0163	:51	.08	.0594	.0317	:50	.09	.0717	.4177
:18	T	.0028	.0002	:33	.16	.116	.0165	:52	.07	.0537	.0326	:51	.07	.0537	.4198
:19	T	.0028	.0003	:34	.15	.108	.0167	:53	.06	.0432	.0334	:52	.07	.0537	.4207
:20	.01	.0044	.0001	:35	.12	.0852	.0175	:55	.05	.0337	.0346	:53	.05	.0383	.4221
:21	.01	.0064	.0002	:36	.09	.0717	.0188	:56	.04	.0253	.0350	:55	.05	.0383	.4233
:22	.01	.0044	.0003	:37	.08	.0594	.0199	:57	.03	.0216	.0354	:57	.05	.0383	.4248
:23	.0028	.0004	.0004	:38	.07	.0483	.0209	:58	.02	.0179	.0357	:58	.03	.0216	.4260
:26	.0013	.0005	.0005	:39	.05	.0383	.0216	:59	.02	.0145	.0360	:59	.02	.0145	.4281
:30	T			:40	.04	.0253	.0221	2:00	.02	.0114	.0362	:13	.01	.0064	.4287
:40	0	0	.0005	:42	.02	.0114	.0228	:01	.01	.0088	.0364	:15	.01	.0064	.4289
7:50	0	0	0	:44	.02	.0114	.0233	:03	.01	.0064	.0366	:20	T	.0028	.4293
:52	T	.0028	.0002	:46	.01	.0064	.0236	:05	.01	.0044	.0368	:23	T	.0013	.4294
:54	T	.0013	.0003	:47	.01	.0044	.0237	:07	T	.0028	.0369	:30	T		.4295
:55	T	.0013	.0003	:49	T	.0028	.0238	:10	T	.0013	.0370	:50	0	0	
:56	T	.0028	.0002	:51	T	.0013	.0239	:20	T		.0371				
:57	.02	.0179	.0002	:55	0	0	.0240	:40	0	0	.0371	p. m.	0	0	0
:58	.04	.0253	.0006	Aug. 19-25	0	0	0	9:33	0	0	0	:25	T	.0013	.0002
:59	.05	.0337	.0011	Aug. 26 <sup>30</sup>				:34	.01	.0013	.0001	:29	.01	.0044	.0006
8:00	.05	.0383	.0017	a. m.				:35	.01	.0088	.0002	:33	.01	.0064	.0011
:01	.06	.0432	.0024	12:19	0	0	0	:36	.02	.0145	.0005	:37	.01	.0088	.0015
:02	.07	.0483	.0032	:21	T	.0013	.0005	:37	.04	.0253	.0008	:40	.01	.0064	.0019
:03	.08	.0594	.0041	:22	.07	.0537	.0005	:38	.05	.0383	.0013	:46	.01	.0044	.0022
:04	.09	.0717	.0052	:23	.09	.0717	.0016	:39	.09	.0717	.0022	:50	T	.0028	.0024
:05	.13	.0924	.0066	:25	.08	.0594	.0038	:40	.15	.108	.0037	:55	T	.0013	.0025
:06	.16	.116	.0075					:41	.22	.161	.0060	8:00	T		
								:42	.30	.214	.0093	:15	0	0	.0025
								:43	.33	.238	.0131				
								:44	.35	.251	.0172				
								:45	.31	.226	.0212	8:36	0	0	0
								:46				:39	T	.0013	.0001

<sup>25</sup> Total rainfall for storms of July 23, 0.37 inch and 1.15 inches. Total soil loss in run-off water 0.007 ton per acre. Grass 6 inches, clover 7 inches, weeds 6 inches high. Soil moist and soft.

<sup>26</sup> Total rainfall for storms of July 24, 0.24 inch. Total soil loss in run-off water 0.028 ton per acre. Grass 6 inches, clover 7 inches, weeds 6 inches high. Soil moist and soft.

<sup>27</sup> Total rainfall for storm of July 26, 0.42 inch. Total soil loss in run-off water 0.002 ton per acre. Grass 6 inches, clover 7 inches, weeds 6 inches high. Soil moist and soft.

<sup>28</sup> Total rainfall for storm of Aug. 14, 0.39 inch. Total soil loss in run-off water 0.002 ton per acre. Grass 7 inches, clover 8 inches, weeds 8 inches high. Soil dry and loose.

<sup>29</sup> Total rainfall for storm of Aug. 18, 0.73 inch. Total soil loss in run-off water 0.0025 ton per acre. Grass 7 inches, clover 8 inches, weeds 9 inches high. Soil dry and loose.

<sup>30</sup> Total rainfall for storm of Aug. 26-27, 2.26 inches (gage at meteorological station). Total soil loss in run-off water 0.022 ton per acre. Grass 7 inches, clover 8 inches, weeds 9 inches high. Soil dry and loose.



TABLE 32.—Run-off from watershed 123, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Aug. 27 <sup>30</sup>				Aug. 30 <sup>31</sup>				Nov. 26 <sup>33</sup>				Dec. 17-27			
p. m.				a. m.				p. m.				Dec. 28 <sup>34</sup>			
8:40.....	0.05	0.0337	0.0004	7:02.....	0.13	0.0924	0.0155	4:28.....	0.04	0.0294	0.1004				
:41.....	.21	.151	.0161	:08.....	.14	.100	.0251	:35.....	.05	.0337	.1041				
:42.....	.44	.317	.0201	:12.....	.16	.116	.0323	:40.....	.05	.0337	.1069				
:43.....	.61	.443	.0266	:14.....	.16	.116	.0361	:45.....	.03	.0216	.1147				
:44.....	.74	.534	.0319	:20.....	.14	.100	.0469	5:10.....	.02	.0145	.1186				
:45.....	.79	.573	.0443	:30.....	.09	.0717	.0612	:25.....	.01	.0088	.1215				
:46.....	.79	.573	.0540	:35.....	.08	.0594	.0667	:55.....	.01	.0044	.1248				
:47.....	.74	.534	.0634	:41.....	.07	.0483	.0721	6:00.....	.01	.0044	.1252				
:48.....	.66	.479	.0720	:51.....	.05	.0383	.0796	:12.....	.01	.0044	.1261				
:49.....	.59	.426	.0797	:59.....	.04	.0294	.0841	:23.....	.01	.0064	.1271				
:50.....	.50	.362	.0864	8:05.....	.03	.0216	.0867	:28.....	.01	.0088	.1277				
:51.....	.42	.303	.0920	:20.....	.02	.0145	.0912	:35.....	.02	.0145	.1295				
:52.....	.35	.251	.0967	:30.....	.02	.0145	.0936	:40.....	.03	.0216	.1310				
:53.....	.30	.214	.1006	:44.....	.01	.0088	.0963	:45.....	.04	.0253	.1330				
:54.....	.25	.181	.1040	9:00.....	.01	.0044	.0981	7:00.....	.03	.0216	.1389				
:55.....	.22	.161	.1069	:10.....	.01	.0044	.0988	:10.....	.03	.0216	.1425				
:56.....	.20	.142	.1095	:27.....	T	.0013	.0996	:33.....	.04	.0294	.1523				
:57.....	.17	.124	.1118	:42.....	T	.0013	.0999	:40.....	.05	.0337	.1560				
:58.....	.16	.116	.1138	:49.....	.01	.0044	.1002	:45.....	.05	.0337	.1588				
9:00.....	.14	.100	.1174	:55.....	.01	.0088	.1009	8:05.....	.03	.0216	.1680				
:02.....	.12	.0852	.1205	10:00.....	.02	.0145	.1019	:20.....	.02	.0145	.1725				
:04.....	.09	.0717	.1231	:10.....	.02	.0145	.1043	:40.....	.01	.0088	.1764				
:06.....	.09	.0654	.1254	:14.....	.03	.0216	.1055	9:05.....	.01	.0044	.1792				
:10.....	.07	.0483	.1292	:18.....	.05	.0383	.1075	:15.....	.01	.0044	.1799				
:12.....	.06	.0432	.1307	:20.....	.07	.0483	.1090	10:00.....	T	.0013	.1821				
:15.....	.05	.0337	.1326	:30.....	.07	.0717	.1190	:08.....	T	.1822	.1822				
:18.....	.04	.0233	.1341	:35.....	.16	.116	.1268	:15.....	0	0	.1822				
:20.....	.03	.0216	.1419	:39.....	.21	.151	.1358								
:25.....	.02	.0145	.1434	:44.....	.21	.151	.1484								
:30.....	.01	.0088	.1441	:50.....	.16	.116	.1617								
:35.....	.01	.0044	.1450	:56.....	.12	.0852	.1718								
:40.....	T	.0028	.1453	:59.....	.09	.0717	.1757								
:45.....	T	.0013	.1455	11:07.....	.07	.0483	.1837								
10:00.....	T	.1457		:20.....	.04	.0294	.1922								
:20.....	0	0	.1457	:30.....	.03	.0216	.1965								
				:38.....	.02	.0145	.1989								
				:45.....	.02	.0114	.2004								
				:55.....	.02	.0114	.2023								
Aug. 28	0	0	0												
Aug. 29 <sup>31</sup>															
p. m.				p. m.											
3:39.....	0	0	0	12:02.....	.02	.0145	.2038								
:40.....	T	.0028		:09.....	.02	.0145	.2055								
:45.....	T	.0020	.0002	:18.....	.01	.0088	.2072								
:47.....	T	.0013	.0003	:30.....	.01	.0044	.2085								
:50.....	T	.0013		1:00.....	T	.0013	.2100								
4:00.....	0	0	.0003	:45.....	T	.0013	.2103								
				2:05.....	0	0	.2105								
5:26.....	0	0	0	Aug. 31- Nov. 10	0	0	0								
:27.....	T	.0013													
:31.....	.01	.0044		Nov. 11 <sup>32</sup>											
:40.....	.01	.0044	.0006	a. m.											
:46.....	.01	.0088	.0013	4:52.....	0	0	0								
:52.....	.01	.0088	.0022	5:00.....	T	.0013	.0001								
6:00.....	.01	.0064	.0032	:25.....	T	.0013	.0006								
:05.....	.01	.0044	.0037	:35.....	T	T	.0007								
:12.....	T	.0013	.0040	:55.....	0	0	.0007								
:20.....	T	.0041													
:35.....	0	0	.0041	Nov. 12-25	0	0	0								
6:46.....	0	0	0	Nov. 26 <sup>33</sup>											
:47.....	T	.0013		p. m.											
:48.....	.02	.0145	.0001	1:39.....	0	0	0								
:49.....	.04	.0294	.0005	:43.....	T	.0013	.0001								
:51.....	.05	.0383	.0016	:50.....	.01	.0044	.0004								
:53.....	.05	.0383	.0029	:56.....	.01	.0088	.0011								
7:01.....	.03	.0216	.0069	2:02.....	.02	.0145	.0023								
:06.....	.02	.0145	.0084	:08.....	.03	.0216	.0041								
:10.....	.01	.0088	.0092	:20.....	.04	.0294	.0092								
:15.....	.01	.0044	.0097	:21.....	.04	.0294	.0142								
:25.....	T	.0013	.0102	:30.....	.04	.0253	.0183								
:40.....	T	.0104		:38.....	.04	.0253	.0217								
8:00.....	0	0	.0104	:42.....	.04	.0294	.0234								
				:45.....	.05	.0383	.0251								
				:55.....	.08	.0594	.0333								
Aug. 30 <sup>31</sup>				3:05.....	.08	.0594	.0432								
a. m.				:09.....	.07	.0537	.0470								
6:42.....	0	0	0	:17.....	.07	.0537	.0541								
:43.....	T	T		:21.....	.08	.0594	.0579								
:44.....	.01	.0088	.0001	:33.....	.08	.0594	.0698								
:45.....	.02	.0145	.0003	:41.....	.07	.0483	.0770								
:46.....	.03	.0216	.0006	:49.....	.05	.0383	.0830								
:49.....	.05	.0383	.0021	:58.....	.04	.0294	.0881								
:56.....	.08	.0594	.0078	4:10.....	.03	.0216	.0932								
7:00.....	.12	.0852	.0126	:17.....	.03	.0216	.0957								

<sup>30</sup> Total rainfall for storm of Aug. 26-27, 2.26 inches (gage at meteorological station). Total soil loss of run-off water 0.022 ton per acre. Grass 7 inches, clover 8 inches, weeds 9 inches high. Soil dry and loose.

<sup>31</sup> Total rainfall for storm of Aug. 29, 0.42 inch and Aug. 30, 0.75 inch. Total soil loss in run-off water for these storms 0.0025 ton per acre. Grass 7 inches, clover 8 inches, weeds 9 inches high. Soil dry and loose.

<sup>32</sup> Total rainfall for storm of Nov. 11, 0.46 inch (gage at meteorological station). Total soil loss in run-off water 0.0 ton per acre. Grass 3 inches, clover 5 inches, weeds

5 inches high. Soil moist and soft.

<sup>33</sup> Total rainfall for storm of Nov. 26, 0.65 inch. Total soil loss in run-off water 0.001 ton per acre. Grass 2 inches, clover 4 inches, weeds 8 inches high. Soil moist and soft.

<sup>34</sup> Total rainfall for storm of Dec. 12, 0.52 inch; Dec. 16, 0.33 inch; Dec. 27, 0.26 inch; Dec. 28, 0.25 inch; Dec. 29, 0.53 inch; and Dec. 30, 0.06 inch. Total soil loss in run-off water for these storms 0.006 ton per acre. Grass 1.0 inch, clover 2 inches, weeds 2 inches high. Soil moist and soft.



TABLE 33.—Run-off from watershed 130, 1940

LOCATION: Latitude 40°22'15", longitude 81°47'59".

# PHYSICAL CHARACTERISTICS:

*Drainage area.*—1.63 acres.

*Length of principal watercourse.*—550 feet.

*Topography.*—The steepest part is the narrow projection that forms the upper fourth of the drainage area. Slope is regular and drainage pattern is poorly defined. Aspect is to the east.

*Slope.*—Average slope is 21.7 percent. 27 percent of the watershed has a slope of 10 to 20 percent and 73 percent has a slope of 20 percent or more.

*Erosion condition.*—Sheet erosion has removed 50 to 75 percent of the topsoil. There is no gully erosion.

*Soil.*—Muskingum silt loam is the predominant soil.

# LAND USE AND VEGETAL COVER:

*Land use distribution.*—Meadow, 100 percent. Plan calls for permanent meadow under conservation practices.

*Vegetal cover and soil condition.*—Litter during the growing season was composed of grass and weed residues averaging 800 pounds to the acre. Cover and soils were as follows:

January 11, soil moist and firm, grass and weeds 2 inches high, frost penetration 1 inch.

January 25, soil moist and firm, grass and weeds 2 inches high, frost penetration 2 inches.

February 8, soil dry and firm, grass and weeds 2 inches high, frost penetration 3 inches.

February 23, soil moist and firm, grass and weeds 2 inches high, frost penetration 3 inches.

March 6, soil wet and soft, grass and weeds 2 inches high.

March 21, soil moist and soft, grass and weeds 2 inches high.

April 5, soil moist and soft, grass and weeds 2 inches high. 2 tons limestone to pH 6.8, 2 tons manure, and 400 pounds 0-14-6 fertilizer per acre, seeded with 4 pounds timothy, 6 pounds alfalfa, 4 pounds red clover, and 2 pounds alsike clover per acre.

April 24, soil moist and loose, grass 3 inches and weeds 2 inches high.

May 8, soil moist and soft, grass 3 inches and weeds 2 inches high.

May 22, soil dry and loose, grass 6 inches and weeds 5 inches high.

June 5, soil dry and loose, grass and weeds 2 inches, clipped for weed control.

June 17, soil wet and soft, grass and weeds 1 inch high.

June 19, clipped for weed control.

July 9, soil moist and soft, grass and weeds 3 inches high.

July 24, soil moist and soft, grass and weeds 8 inches high.

August 9, soil dry and loose, grass and weeds 12 inches high.

August 21, clipped and hay removed.

August 22, soil dry and soft, grass and weeds 2 inches high.

September 13, soil dry and soft, grass 4 inches and weeds 3 inches high.

September 27, soil moist and soft, grass 5 inches and weeds 3 inches high.

October 10, soil dry and soft, grass 5 inches and weeds 4 inches high.

October 24, soil dry and loose, grass 4 inches and weeds 3 inches high.

November 7, soil moist and soft, grass and weeds 3 inches high.

November 28, soil moist and soft, grass 3 inches and weeds 2 inches high.

December 11, soil moist and soft, grass and weeds 2 inches high.

# MEASUREMENTS:

*Precipitation.*—Rainfall was measured at one recording rain gage, 103 (fig. 2). Snowfall was measured by the rain gage supplemented by a snow board. Snow inventory was obtained by surveys and observations to determine depth, distribution, and water equivalent.

*Run-off.*—Run-off was measured by Parshall flume of 9-inch throat width. The records of run-off are excellent. The laboratory rating was used.

*Soil loss.*—Records of soil loss in run-off water were obtained by silt box and Ramser automatic silt sampler placed at outlet of measuring flume.

*Changes in instrumentation during year.*—None.

# SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, APRIL 1938 TO DECEMBER 1940:

*Rainfall.*—Total precipitation 1940, 43.52 inches; average annual precipitation for period of record, 39.30 inches.

*Run-off.*—Annual run-off amount 1940, 2.64 inches; maximum rate of run-off for period of record, 1.36 inches per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Jan. 1-13-----	0	0	0	Jan. 14 <sup>1</sup>				Feb. 6 <sup>2</sup>				Feb. 6 <sup>2</sup>			
Jan. 14 <sup>1</sup> -----				a. m.				a. m.				p. m.			
a. m.				9:30-----	0.03	0.0182	0.0417	8:50-----	0.03	0.0182	0.0025	2:00-----	0.04	0.0255	0.1342
7:48-----	0	0	0	10:00-----	.03	.0182	.0508	9:00-----	.04	.0255	.0061	:10-----	.04	.0255	.1385
:49-----	.01	.0061	.0001	11:00-----	.02	.0116	.0657	:30-----	.04	.0257	.0189	:15-----	.03	.0182	.1403
:51-----	.03	.0182	.0005	:30-----	.01	.0061	.0702	10:00-----	.07	.0426	.0260	:20-----	.01	.0061	.1413
3:00-----	.03	.0182	.0032	12:00-----	0	0	.0717	:30-----	.07	.0426	.0473	3:00-----	T	.0024	.1442
:05-----	.03	.0182	.0047	Jan. 15-----				11:00-----	.06	.0334	.0663	4:20-----	0	0	.1442
:15-----	.06	.0334	.0090	Feb. 5-----	0	0	0	:30-----	.04	.0255	.0812				
:20-----	.04	.0255	.0115	Feb. 6 <sup>2</sup>				12:00-----	.03	.0182	.0922	Feb. 7-9-----	0	0	0
:30-----	.04	.0255	.0158	a. m.								Feb. 10 <sup>3</sup>			
:45-----	.06	.0334	.0233	8:30-----	0	0	0	12:30-----	.03	.0182	.1013	p. m.			
9:00-----	.04	.0255	.0308	:40-----	.01	.0061	.0005	1:00-----	.03	.0182	.1104	4:12-----	0	0	0
								:30-----	.04	.0255	.1214	:22-----	T	.0024	.0002

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.60 inch. Total soil loss in run-off water 0.0003 ton per acre. Grass and weeds 2 inches high. Soil moist and firm, frost penetration 1 inch.

<sup>2</sup> Total rainfall for storm of Feb. 6, 0.46 inch. Total soil loss in run-off water 0.0020 ton per acre. Melting snow and thawing soil contributed to run-off. Grass and weeds 2 inches high. Soil dry and firm, frost penetration 3 inches.

<sup>3</sup> Total rainfall for storm of Feb. 10, 0.56 inch. Total soil loss in run-off water 0.0003 ton per acre. Melting snow and thawing soil contributed to run-off. Grass and weeds 2 inches high. Soil dry and firm, frost penetration 3 inches.



TABLE 33.—Run-off from watershed 130, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
Feb. 10 <sup>3</sup>			Apr. 11 <sup>5</sup>			June 10 <sup>6</sup>			June 28 <sup>7</sup>		
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>
4:30-----	0.01	0.0061	0.0008	0.09	0.0523	0.0708	0	0	7:49-----	0.58	0.353
5:00-----	0.02	0.0116	0.0053	0.09	0.0523	0.0795	0.01	0.0061	:51-----	.51	.310
:30-----	0.03	0.0182	0.0128	0.06	0.0334	0.0867	0.03	0.0182	:52-----	.58	.353
6:00-----	0.03	0.0182	0.0219	0.04	0.0255	0.0916	0.06	0.0334	:53-----	.77	.468
7:00-----	0.03	0.0182	0.0401	0.03	0.0182	0.0952	0.07	0.0426	:54-----	.99	.602
:20-----	0.02	0.0116	0.0450	0.01	0.0061	0.0993	0.06	0.0334	:55-----	1.31	.796
8:00-----	0.01	0.0061	0.0509	0.01	0.0061	0.0996	0.03	0.0182	:57-----	1.57	.935
9:00-----	0.01	0.0061	0.0570	0.03	0.0224	0.1000	0.01	0.0061	:59-----	1.57	.935
10:00-----	T	0.0024	0.0613	0	0	0.1004	0	0	8:00-----	1.23	.748
:40-----	0	0	0.0621	0	0	0	0	0	:03-----	.99	.602
Feb. 11- Mar. 1	0	0	0	Apr. 12-18	0	0	June 11 <sup>6</sup>		:07-----	.64	.389
Mar. 2 <sup>4</sup>				Apr. 19 <sup>5</sup>			<i>p. m.</i>		:09-----	.51	.310
<i>a. m.</i>				<i>p. m.</i>			1:31-----	0	:11-----	.71	.432
9:54-----	0	0	0	6:45-----	0	0	:34-----	0.01	:13-----	.80	.486
10:00-----	T	0.0024	0.0001	7:00-----	T	0.0024	:35-----	0.02	:15-----	.71	.432
:30-----	0.01	0.0061	0.0023	:30-----	0.03	0.0182	:38-----	0.01	:19-----	.51	.310
11:00-----	T	0.0024	0.0045	8:00-----	0.01	0.0061	:42-----	T	:24-----	.35	.213
:20-----	0	0	0.0049	:30-----	0.06	0.0334	:44-----	0	:27-----	.25	.150
<i>p. m.</i>				:45-----	0.07	0.0426	June 12 <sup>6</sup>		:31-----	.16	.0967
5:25-----	0	0	0	:15-----	0.09	0.0523	<i>p. m.</i>		:33-----	.12	.0730
:30-----	T	0.0024	0.0001	:45-----	0.09	0.0523	12:19-----	0	:35-----	.09	.0523
:35-----	0.01	0.0061	0.0005	10:00-----	0.12	0.0730	:22-----	0.01	:39-----	.06	.0334
:45-----	0.02	0.0116	0.0020	:05-----	0.16	0.0967	:24-----	0.03	:44-----	.03	.0182
6:00-----	0.01	0.0061	0.0042	:10-----	0.16	0.0967	:29-----	0.01	:50-----	.01	0.0061
7:00-----	0.01	0.0061	0.0103	:15-----	0.18	0.109	:32-----	T	:55-----	T	0.0024
9:00-----	0.01	0.0061	0.0225	:25-----	0.25	0.150	:36-----	0	9:00-----	.40	.243
:15-----	0.02	0.0116	0.0247	:30-----	0.29	0.179	June 13-17	0	:02-----	.51	.310
:30-----	0.03	0.0182	0.0284	:40-----	0.35	0.213	June 18 <sup>6</sup>		:03-----	.64	.389
10:00-----	0.03	0.0182	0.0375	:45-----	0.37	0.225	<i>p. m.</i>		:05-----	.77	.468
11:00-----	0.01	0.0061	0.0497	11:00-----	0.37	0.225	3:49-----	0	:07-----	.99	.602
:15-----	0.02	0.0116	0.0519	:05-----	0.40	0.243	:51-----	0.01	:08-----	1.23	.748
:30-----	0.03	0.0182	0.0556	:10-----	0.46	0.280	:52-----	0.03	:09-----	1.48	.900
:35-----	0.04	0.0255	0.0574	:15-----	0.49	0.298	:53-----	0.06	:10-----	1.84	1.12
:45-----	0.07	0.0426	0.0631	:20-----	0.49	0.298	:54-----	0.16	:12-----	2.23	1.36
12:00-----	0.09	0.0523	0.0749	:25-----	0.46	0.280	:55-----	0.35	:17-----	1.84	1.12
Mar. 3 <sup>4</sup>				:30-----	0.40	0.243	:59-----	0.40	:21-----	1.39	.845
<i>a. m.</i>				:35-----	0.35	0.213	4:00-----	0.71	:24-----	.99	.602
12:30-----	.09	.0523	.1011	:40-----	0.35	0.213	:02-----	.92	:28-----	.64	.389
:45-----	.10	.0620	.1154	:45-----	.25	.150	:04-----	1.15	:33-----	.40	.243
1:00-----	.12	.0730	.1323	12:00-----	.20	.122	:06-----	1.31	:38-----	.29	.179
:30-----	.12	.0730	.1688	<i>a. m.</i>			:09-----	1.07	:40-----	.25	.150
:45-----	.10	.0620	.1857	12:10-----	.16	.0967	:11-----	1.07	:43-----	.20	.122
2:00-----	.09	.0523	.2000	:16-----	.12	.0730	:14-----	.84	:45-----	.16	.0967
:15-----	.07	.0426	.2118	:20-----	.10	.0620	:16-----	.64	:48-----	.12	.0730
:30-----	.04	.0255	.2203	:26-----	.09	.0523	:18-----	.51	:53-----	.09	.0523
:45-----	.03	.0182	.2258	:38-----	.06	.0334	:21-----	.40	10:00-----	.06	.0334
3:00-----	.02	.0116	.2295	:50-----	.04	.0255	:24-----	.29	:15-----	.03	.0182
:30-----	.01	.0061	.2340	1:00-----	.03	.0182	:27-----	.29	:25-----	.01	.0061
4:00-----	T	0.0024	.2362	:30-----	.01	.0061	:30-----	.09	:35-----	T	0.0024
:35-----	0	0	.2369	2:00-----	T	.5583	:33-----	.06	0	0	0
<i>p. m.</i>				:12-----	0	0	:38-----	.03	June 29	0	0
5:15-----	0	0	0	6:24-----	0	0	:44-----	.01	June 30		
:20-----	.01	.0061	0.0003	:30-----	0.01	0.0061	:54-----	T	<i>p. m.</i>		
:30-----	.03	.0182	0.0023	:35-----	.03	.0182	5:00-----	T	11:44-----	0	0
6:00-----	.03	.0182	0.0114	:45-----	.06	.0334	:05-----	0	:50-----	T	0.0024
:15-----	.03	.0182	0.0160	:50-----	.09	.0523	June 19-22	0	12:00-----	T	0.0024
:45-----	.02	.0116	0.0235	7:00-----	.12	.0730	June 23		July 1		
7:00-----	.01	.0061	0.0257	:05-----	.14	.0845	<i>p. m.</i>		<i>a. m.</i>		
8:00-----	.01	.0061	0.0318	:25-----	.14	.0845	8:26-----	0	12:15-----	T	0.0024
:30-----	T	0.0024	0.0340	:30-----	.16	.0967	:29-----	.01	:25-----	0	0
:50-----	0	0	0.0344	:45-----	.16	.0967	:30-----	0.01	July 2-22	0	0
Mar. 4- Apr. 10	0	0	0	:55-----	.12	.0730	:32-----	.03	July 23 <sup>8</sup>		
Apr. 11 <sup>5</sup>				8:00-----	.10	.0620	:34-----	.03	<i>p. m.</i>		
<i>p. m.</i>				:05-----	.09	.0523	:37-----	.01	7:47-----	0	0
7:23-----	0	0	0	:20-----	.06	.0334	:41-----	0	:49-----	.01	.0061
:27-----	.01	.0061	0.0002	:40-----	.03	.0182	June 24-27	0	:50-----	.06	.0334
:37-----	.02	.0116	0.0017	9:00-----	.02	.0116	June 28 <sup>7</sup>		:51-----	.12	.0730
8:00-----	.02	.0116	0.0061	:30-----	.01	.0061	<i>a. m.</i>		:52-----	.25	.150
:15-----	.03	.0182	0.0093	10:00-----	.01	.0061	7:44-----	0	:53-----	.35	.213
:45-----	.04	.0255	0.0207	11:00-----	T	0.0024	:45-----	.06	:56-----	.35	.213
9:00-----	.06	.0334	0.0282	12:00-----	0	0	:46-----	.20	:58-----	.29	.179
:05-----	.07	.0426	0.0314	<i>p. m.</i>			:47-----	.29	8:00-----	.16	.0967
:55-----	.07	.0426	0.0683	12:40-----	0	0	:48-----	.46	:02-----	.12	.0730
				Apr. 21- June 9	0	0			:03-----	.09	.0523

<sup>3</sup> Total rainfall for storm of Feb. 10, 0.56 inch. Total soil loss in run-off water 0.0003 ton per acre. Melting snow and thawing soil contributed to run-off. Grass and weeds 2 inches high. Soil dry and firm, frost penetration 3 inches.

<sup>4</sup> Total rainfall for storm of Mar. 2, 0.20 inch; Mar. 2-3, 0.78 inch; Mar. 3, 0.31 inch. Total soil loss in run-off water for these storms 0.0014 ton per acre. Melting snow and thawing soil contributed to run-off. Grass and weeds 2 inches high. Soil moist and firm, frost penetration 3 inches.

<sup>5</sup> Total rainfall for storm of Apr. 11, 1.35 inches; Apr. 19-20, 1.74 inches. Total soil loss in run-off water for these storms 0.0480 ton per acre. Melting snow and thawing soil contributed to run-off. Grass and weeds 2 inches high. Soil wet and soft.

<sup>6</sup> Total rainfall for storm of June 10-11, 0.90 inch; June 12, 0.39 inch; June 18, 1.02 inches. Total soil loss in run-off water for these storms 0.0130 ton per acre. June 5 clipped for weed control, grass and weeds 2 inches high. Soil dry and loose. June 17 clipped for weed control, grass and weeds 1 inch high. Soil wet and soft.

<sup>7</sup> Total rainfall for storm of June 28, 1.84 inches. Total soil loss in run-off water, 0.0150 ton per acre. Grass and weeds 2 inches high. Soil moist and soft.

<sup>8</sup> Total rainfall for storm of July 23, 0.93 inch (gauge at meteorological station). Total soil loss in run-off water 0.0010 ton per acre. Grass and weeds 8 inches high. Soil moist and soft.



TABLE 33.—Run-off from watershed 130, 1940—Continued

Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off	Date and time	Instantaneous rate of run-off			Accumulated run-off
	Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches			Second-foot	Inches per hour	Inches	
July 23 <sup>8</sup>					Aug. 30 <sup>9</sup>					Aug. 30 <sup>9</sup>									
a. m.					a. m.					p. m.									
8:07-----	0.03	0.0182	0.0363		8:10-----	0.09	0.0523	.0602		12:30-----	0	0	0.0446			Nov. 27 -	0	0	0
:10-----	.01	.0061	.0370		:20-----	.06	.0334	.0673		Aug. 31 -						Dec. 28-----			
:12-----	T	.0024	.0371		:40-----	.03	.0182	.0759		Nov. 25-----	0	0	0			Dec. 29 <sup>11</sup>			
:15-----	0	0	.0372		9:00-----	.01	.0061	.0799		Nov. 26 <sup>10</sup>						a. m.			
July 24 -					:30-----	0	0	.0814								1:25-----	0	0	0
Aug. 29-----	0	0	0		10:00-----	T	.0024	.0006		2:30-----	0	0	0			2:00-----	.01	.0061	.0017
Aug. 30 <sup>9</sup>					:15-----	.01	.0061	.0016		:32-----	T	.0024				:30-----	.02	.0116	.0061
a. m.					:25-----	.03	.0182	.0036		:45-----	.01	.0061	.0009			:45-----	.03	.0182	.0098
7:00-----	0	0	0		:31-----	.06	.0334	.0062		3:00-----	.01	.0061	.0024			3:00-----	.03	.0182	.0144
:12-----	.01	.0061	.0006		:39-----	.09	.0523	.0119		:15-----	.01	.0061	.0039			:28-----	.03	.0182	.0329
:16-----	.03	.0182	.0014		:44-----	.10	.0620	.0167		:30-----	.02	.0116	.0061			:45-----	.01	.0061	.0360
:22-----	.06	.0334	.0040		:56-----	.09	.0523	.0281		:45-----	.01	.0061	.0083			4:00-----	.01	.0061	.0375
:28-----	.09	.0523	.0083		11:00-----	.07	.0426	.0313		4:00-----	T	.0043	.0096			5:00-----	.01	.0061	.0436
:34-----	.12	.0730	.0146		:05-----	.06	.0334	.0345		:10-----	T	.0024	.0104			:15-----	T	.0024	.0447
:44-----	.14	.0845	.0277		:15-----	.03	.0182	.0388		:30-----	.01	.0061	.0118			:23-----	0	0	.0449
:54-----	.14	.0845	.0418		:35-----	.01	.0061	.0428		:42-----	T	.0024	.0127						
8:00-----	.12	.0730	.0497		12:00-----	T	.0024	.0446		:48-----	0	0	.0128			Dec. 30-31--	0	0	0

<sup>8</sup> Total rainfall for storm of July 23, 0.93 inch (gage at meteorological station). Total soil loss in run-off water 0.0010 ton per acre. Grass and weeds 8 inches high. Soil moist and soft.

<sup>9</sup> Total rainfall for storm of Aug. 30, 1.31 inches (gage at meteorological station). Total soil loss in run-off water 0.0010 ton per acre. Grass and weeds 3 inches high.

Aug. 21 grass and weeds 12 to 15 inches high, clipped and hay removed. Soil dry and soft.

<sup>10</sup> Total rainfall for storm of Nov. 26, 0.66 inch. Total soil loss in run-off 0.0001 ton per acre. Grass 3 inches and weeds 2 inches high. Soil moist and soft.

<sup>11</sup> Total rainfall for storm of Dec. 29, 0.23 inch. Total soil loss in run-off water 0.0002 ton per acre. Grass and weeds 2 inches high. Soil moist and soft.

TABLE 34.—Run-off from watershed 131, 1940

LOCATION: Latitude 40°22'11'', longitude 81°48'13''.

#### PHYSICAL CHARACTERISTICS:

Drainage area—2.21 acres.

Length of principal watercourse.—575 feet.

Topography.—Drainage area is of uniform slope without gullies or other marked drainage pattern. Aspect is to the west.

Slope.—Average slope is 21.6 percent. 100 percent of the watershed has a slope of 20 percent or more.

Erosion condition.—There is no apparent erosion on this watershed.

Soil.—Muskingum silt loam is the predominant soil.

Special features.—20 nonrecording rain gages and 3 recording rain gages were located in this watershed through 1940 for a study of interception. Trees of various sizes and species were equipped with collars and tanks for stem-flow measurements.

#### LAND USE AND VEGETAL COVER:

Land use distribution.—Woodland, 100 percent. Plan calls for permanent woodland cover with conservation practices. The trees are mature.

Vegetal cover and soil condition.—Trees are 70 feet high. Litter during season was composed of tree leaves averaging 4,300 pounds to the acre. Undergrowth and soils were as follows:

January 11, soil moist and firm, shrubs 4 inches and herbs 2 inches high, dormant.

January 25, soil moist and soft, shrubs 4 inches and herbs 2 inches high, dormant.

February 8, soil moist and soft, shrubs 4 inches and herbs 2 inches high, dormant.

February 23, soil wet and soft, shrubs 4 inches and herbs 2 inches high, dormant.

March 6, soil soggy and soft, shrubs 4 inches and herbs 2 inches high, dormant.

March 21, soil moist and loose, shrubs 4 inches and herbs 2 inches high, dormant.

April 5, soil moist and soft, shrubs 4 inches and herbs 2 inches high, buds swelling.

April 24, soil moist and soft, shrubs 4 inches and herbs 3 inches high.

May 8, soil moist and soft, shrubs 10 inches and herbs 3 inches high, leaves appearing.

May 22, soil moist and soft, shrubs 12 inches and herbs 6 inches high.

June 5, soil moist and soft, shrubs 20 inches and herbs 10 inches high, leaves fully developed.

June 17, soil fairly wet and soft, shrubs 22 inches and herbs 10 inches high.

July 9, soil moist and soft, shrubs 24 inches and herbs 15 inches high.

July 24, soil fairly wet and soft, shrubs 24 inches and herbs 15 inches high.

August 9, soil moist and soft, shrubs 24 inches and herbs 18 inches high.

August 22, soil moist and soft, shrubs 24 inches and herbs 20 inches high.

September 13, soil moist and soft, shrubs 24 inches and herbs 19 inches high.

September 27, soil moist and soft, shrubs 24 inches and herbs 18 inches high, leaves falling.

October 10, soil moist and soft, shrubs 22 inches and herbs 14 inches high, dormant.

October 24, soil moist and soft, shrubs 20 inches and herbs 12 inches high, dormant.

November 7, soil wet and soft, shrubs 16 inches and herbs 8 inches high, dormant.

November 28, soil wet and soft, shrubs 10 inches and herbs 7 inches high, dormant.

December 11, soil wet and soft, shrubs 9 inches and herbs 6 inches high, dormant.



TABLE 34.—Run-off from watershed 131, 1940—Continued

## MEASUREMENTS:

*Precipitation.*—Rainfall was measured at 2 recording rain gages, 103 and 145, and 20 nonrecording rain gages. Snowfall was measured by the rain gages supplemented by snow boards. Snow inventory was obtained by surveys and observations to determine depth, distribution, and water equivalent.

*Run-off.*—Run-off was measured by Parshall flume of 6-inch throat width. The records of run-off are excellent. The laboratory rating was used.

*Soil loss.*—Records of soil loss in run-off water were obtained

by silt box and Ramser automatic silt sampler placed at outlet of measuring flume.

*Changes in instrumentation during year.*—None.

## SUMMARY OF RECORDS FOR THE PERIOD MAY 1938 TO DECEMBER 1940:

*Rainfall.*—Total precipitation 1940, 47.89 inches; average annual precipitation for period of record, 38.12 inches.

*Run-off.*—Annual run-off amount 1940, 0.274 inch; maximum rate of run-off for period of record, 0.10 inch per hour July 8, 1939; maximum rate of run-off for 1940, 0.085 inch per hour, June 28, 1940.

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches
Jan. 1- Feb. 5----	0	0		Apr. 12 a. m.	0	0	0.0174	Apr. 20 <sup>4</sup> a. m.	0.02	0.0081	0.0036	June 28 <sup>5</sup> a. m.	0.06	0.0283	0.0538
Feb. 6-----	(1)	(1)	.0001	12:45-----	0	0		7:20-----	0.02	0.0108	0.0060	10:00-----	0.05	0.0242	0.0569
Feb. 7-9----	0	0	0	Apr. 13-18---	0	0	0	:35-----	0.02	0.0108	0.0070	:07-----	0.05	0.0206	0.0591
Feb. 10 <sup>2</sup> ----	(1)	(1)	.0038	Apr. 19 <sup>4</sup> ----				:40-----	0.02	0.0108	0.0093	:13-----	0.05	0.0170	0.0613
Feb. 11-----				p. m.				:53-----	0.02	0.0108	0.0106	:20-----	0.03	0.0139	0.0631
Mar. 2-----	0	0	0	9:03-----	0	0	0	:20-----	0.02	0.0081	0.0137	:27-----	0.02	0.0108	0.0647
Mar. 3 <sup>3</sup> -----				:08-----	T	0.0004		:40-----	0.01	0.0058	0.0160	:35-----	0.01	0.0081	0.0663
p. m.	0	0	0	:13-----	T	0.0018	.0001	:20-----	0.01	0.0036	0.0176	:45-----	0.01	0.0058	0.0677
5:13-----	T	0.0004	0	:20-----	0.01	0.0027	.0004	:40-----	0.01	0.0027	0.0186	11:10-----	0.01	0.0036	0.0687
:15-----		.0018		:25-----	0.01	0.0036	.0006	:20-----	T	0.0018	0.0193	:30-----	T	0.0018	0.0696
:16-----				:40-----	0.01	0.0058	.0018	:40-----	T	0.0018	0.0199	:45-----	T	.0004	.0699
:17-----	.01	.0036	.0001	:55-----	0.02	0.0081	.0036	:40-----	T	0.0018	0.0211	p. m.	0	0	.0700
:18-----	.02	.0081	.0002	10:00-----	0.02	0.0081	.0042	11:00-----	T	0.0009	0.0216	12:20-----	0	0	
:19-----	.03	0.0139	.0004	:10-----	0.02	0.0108	.0058	:20-----	T	0.0009	0.0219	June 29--	0	0	
:20-----	.05	0.0206	.0007	:17-----	0.03	0.0139	.0073	:40-----	T	.0004	.0221	Aug. 29--	0	0	0
:21-----	.06	0.0283	.0011	:20-----	0.03	0.0153	.0080	12:00-----	T	T	.0222	Aug. 30 <sup>6</sup>			
:22-----	.08	0.0368	.0017	:25-----	0.04	0.0171	.0093	p. m.	0	0		a. m.	0	0	0
:27-----	.09	0.0413	.0049	:32-----	0.05	0.0206	.0115	12:20-----	0	0	.0222	:48-----	T	.0018	.0001
:31-----	.09	0.0413	.0077	:37-----	0.05	0.0242	.0133	Apr. 21--				:56-----	T	.0018	.0002
:45-----	.08	0.0368	.0168	:40-----	0.06	0.0283	.0145	June 27--	0	0	0	8:00-----	T	.0018	.0012
:55-----	.07	0.0323	.0226	:50-----	0.07	.0323	.0195	June 28 <sup>5</sup>				:35-----	T	.0004	.0013
6:00-----	.06	0.0283	.0251	:55-----	.08	.0368	.0223	a. m.				:55-----	T	.0004	
:08-----	.05	0.0242	.0286	11:00-----	.08	.0368	.0252	7:40-----	0	0	0	9:00-----	T	0	.0013
:13-----	.05	0.0206	.0305	:09-----	.08	.0368	.0307	:41-----	T	0	.0004	:20-----	0	0	
:20-----	.04	0.0171	.0327	:15-----	.09	.0413	.0346	:43-----	.01	.0036	.0001	10:00-----	0	0	0
:30-----	.03	0.0139	.0340	:20-----	.10	.0440	.0380	:44-----	.01	.0036	.0002	:20-----	.01	.0018	.0003
7:00-----	.02	0.0108	.0401	:22-----	.10	.0462	.0395	:50-----	.01	.0036	.0007	:35-----	.01	.0036	.0010
:30-----	.01	0.0058	.0443	:30-----	.11	.0511	.0458	:51-----	.01	.0036	.0008	:55-----	.01	.0058	.0026
:45-----	.01	.0036	.0455	:35-----	.11	.0511	.0499	:58-----	.01	.0036	.0014	11:00-----	.01	.0058	.0031
8:00-----	T	.0018	.0462	:40-----	.11	.0511	.0540	8:05-----	T	.0018	.0017	:35-----	T	.0018	.0053
:15-----	T	0.0004	.0465	12:00-----	.08	.0368	.0693	:07-----	.01	.0036	.0018	12:00-----	T	.0018	.0061
:45-----	0	0	.0466	Apr. 20 <sup>4</sup>				:09-----	.01	.0036	.0020	p. m.	0	0	
Mar. 4-----				a. m.				:13-----	.01	.0036	.0023	12:10-----	T	.0004	.0063
Apr. 10-----	0	0	0	12:10-----	.06	.0283	.0748	:20-----	T	.0018	.0026	:30-----	0	0	.0064
Apr. 11 <sup>4</sup> -----				:20-----	.05	.0242	.0792	:45-----	T	.0004	.0031	Aug. 31--			
p. m.				:30-----	.05	0.0206	.0830	:52-----	T	.0004		Sept. 23--	0	0	0
8:29-----	0	0	0	:40-----	.04	0.0171	.0862	:54-----	T	.0018		Sept. 24 <sup>7</sup>			
:31-----	T	.0004		:50-----	.03	0.0139	.0888	:55-----	.01	.0036	.0032	p. m.	0	0	0
:35-----	T	.0018	.0001	1:00-----	.02	0.0108	.0909	9:00-----	.01	.0036	.0036	10:00-----	0	0	.0001
:40-----	.01	.0027	.0003	:05-----	.02	0.0108	.0918	:04-----	.01	.0036	.0040	:16-----	T	.0004	.0001
:45-----	.01	.0036	.0005	:20-----	.02	0.0108	.0942	:05-----	.02	0.0108	.0041	:21-----	T	.0018	.0002
:57-----	.01	.0058	.0014	:37-----	.01	.0058	.0962	:06-----	.05	0.0206	.0044	:23-----	.01	.0036	.0003
9:00-----	.01	.0058	.0017	:40-----	.01	.0058	.0965	:07-----	.10	0.0462	.0049	:27-----	.01	.0036	.0005
:13-----	.02	0.0081	.0032	2:00-----	.01	.0036	.0981	:08-----	.13	0.0561	.0058	:37-----	T	.0018	.0010
:20-----	.02	0.0081	.0042	:20-----	.01	.0036	.0991	:09-----	.15	.0669	.0068	:50-----	T	.0004	.0013
:40-----	.02	0.0081	.0069	:35-----	T	.0018	.0997	:10-----	.16	.0727	.0080	11:00-----	0	0	.0013
10:00-----	.02	0.0095	.0098	:40-----	T	.0018	.0998	:12-----	.18	.0808	.0106	Sept. 25--			
:15-----	.02	0.0081	.0120	3:00-----	T	.0009	.1003	:14-----	.19	.0853	.0133	Dec. 28--	0	0	0
:20-----	.02	0.0070	.0126	:20-----	T	.0004	.1005	:16-----	.19	.0853	.0162	Dec. 29 <sup>8</sup>			
:32-----	.01	0.0058	.0139	:40-----	T	.0004	.1006	:22-----	.18	.0808	.0245	a. m.	0	0	0
:40-----	.01	.0047	.0146	4:00-----	T	T	.1007	:24-----	.16	.0727	.0271	3:00-----	T	.0018	.0003
:52-----	.01	.0036	.0154	:20-----	0	0	.1007	:27-----	.15	.0669	.0306	:20-----	T	.0018	.0003
11:00-----	.01	.0027	.0158	6:30-----	0	0	0	:29-----	.14	.0615	.0327	:45-----	T	.0004	.0041
:15-----	T	.0018	.0164	:35-----	T	.0004		:33-----	.13	.0561	.0366	6:00-----	0	0	.0042
:20-----	T	.0018	.0165	:40-----	T	.0018	.0001	:36-----	.11	.0512	.0393	Dec. 30-31--	0	0	0
:40-----	T	.0009	.0170	:48-----	.01	.0027	.0004	:40-----	.10	.0462	.0425				
12:00-----	T	.0004	.0172	7:00-----	.01	.0058	.0012	:44-----	.09	.0413	.0454				
				:10-----	.02	.0072	.0023	:46-----	.08	.0368	.0467				
								:50-----	.07	.0323	.0490				
								:55-----	.06	.0283	.0515				



TABLE 35.—Run-off from watershed 192, 1940

LOCATION: Latitude 40°21'41'', longitude 81°47'52''.

#### PHYSICAL CHARACTERISTICS:

*Drainage area.*—7.86 acres.

*Length of principal watercourse.*—720 feet.

*Topography.*—This a bowl-shaped watershed with steeper one-fourth of the area concentrated just above center of area. The drainage pattern is well defined through a network of gullies. Aspect is to the northeast.

*Slope.*—Average slope is 15.8 percent. 7 percent of the watershed has a slope of 6 to 10 percent, 75 percent has a slope of 10 to 20 percent, and 18 percent has a slope of 20 percent or more.

*Erosion condition.*—Sheet erosion has removed 50–75 percent of the topsoil from this watershed. There are frequent gullies less than 100 feet apart on most of the area. On the upper third of the watershed these gullies are small and shallow. At the lower part of the watershed most of the gullies are too deep to be crossed by tillage implements. Erosional deposits are on approximately 1.4 acres.

*Soil.*—Muskingum silt loam is the predominant soil.

#### LAND USE AND VEGETAL COVER:

*Land use.*—Wheat was followed by meadow during 1940.

*Vegetal cover and soil condition.*—Litter during the growing season was composed of weed and grass residues averaging 200 pounds per acre. Cover and soils were as follows:

January 11, soil moist and firm, wheat 4 inches high, frost penetration 6 inches.

January 25, soil moist and firm, wheat 4 inches high, frost penetration 8 inches.

February 8, soil dry and firm, wheat 4 inches high, frost penetration 9 inches.

February 23, soil wet and firm, wheat 4 inches high, frost penetration 4 inches.

March 6, soil soggy and soft, wheat 4 inches high.

March 21, soil fairly wet and soft, wheat 4 inches high.

April 4, soil fairly wet and soft, wheat 5 inches high.

April 24, soil moist and soft, wheat 6 inches high.

May 8, soil moist and soft, wheat 8 inches high.

May 22, soil dry and loose; wheat 12 inches and clover and grass  $\frac{1}{4}$  inch high.

June 5, soil dry and loose; wheat 17 inches high, trace of clover, grass 1 inch and weeds 2 inches high.

June 17, soil moist and soft; wheat 30 inches, clover and grass 3 inches, and weeds 4 inches high.

July 9, soil moist and soft; wheat 35 inches, clover and grass 4 inches, and weeds 4 inches high.

July 14, wheat harvested, yield 19.0 bushels per acre.

July 24, soil moist and soft; clover 4 inches, grass 5 inches, and weeds 6 inches high.

August 9, soil dry and loose; clover 5 inches, grass 6 inches, and weeds 8 inches high.

August 22, soil dry and loose; clover 6 inches, grass 7 inches, and weeds 10 inches high.

September 13, soil dry and crusted; clover 8 inches, grass 6 inches, and weeds 10 inches high.

September 27, soil moist and loose; clover 10 inches, grass 6 inches, and weeds 9 inches high.

October 10, soil dry and loose; clover 9 inches, grass 5 inches, and weeds 8 inches high.

October 24, soil dry and loose; clover 7 inches, grass 4 inches, and weeds 6 inches high.

November 7, soil moist and soft; clover 6 inches, grass 4 inches, and weeds 4 inches high.

November 28, soil moist and soft; clover 3 inches, grass 3 inches, and weeds 3 inches high.

December 11, soil moist and soft; clover 2 inches, grass 2 inches, and weeds 2 inches high.

#### MEASUREMENTS:

*Precipitation.*—Rainfall was measured at one recording rain gage, 113 (fig. 2). Snowfall was measured in the rain gage supplemented by a snow board. Snow inventory on the watershed was obtained by surveys and observations to determine depth, distribution, and water equivalent.

*Run-off.*—Run-off was measured by H flume of 4.5-foot depth. Records of run-off are fair. Silt deposits caused inaccuracy of measurement during most storms. The laboratory rating was used.

*Soil loss.*—Records of soil loss were not obtained.

*Changes in instrumentation during year.*—A part of the waterways were shaped and sodded during August.

#### SUMMARY OF RECORDS FOR THE PERIOD OF RECORD, AUGUST 1939 TO DECEMBER 1940:

*Rainfall.*—Total precipitation for 1940, 43.84 inches; average annual precipitation for the period of record, 39.27 inches.

*Run-off.*—Maximum rate of run-off for period of record, 1.61 inches per hour, June 18, 1940. (The run-off record for storm of June 28, 1940, was lost because of instrument failure. This storm produced maximum rates for period of record from nearly all watersheds.)

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches	Jan. 14 <sup>1</sup>	Second-foot	Inches per hour	Inches	Jan. 14 <sup>1</sup>	Second-foot	Inches per hour	Inches	Jan. 14 <sup>1</sup>	Second-foot	Inches per hour	Inches
Jan. 1–13	0	0	0	a. m.				a. m.				a. m.			
Jan. 14 <sup>1</sup>				7:42	0.84	0.106	0.0196	8:55	1.07	0.135	0.2929	10:30	0.88	0.110	0.4213
				:45	1.18	.149	.0260	9:00	.82	.103	.3028	:35	.84	.106	.4303
				:47	1.62	.204	.0318	:05	.67	.0849	.3106	:45	.65	.0815	.4459
				:50	2.14	.270	.0437	:20	.47	.0598	.3287	:50	.52	.0656	.4520
7:19	0	0	0	:54	2.40	.303	.0629	:30	.35	.0440	.3374	11:00	.37	.0464	.4614
:20	.02	.0019		:56	2.45	.309	.0730	:40	.29	.0369	.3441	:15	.29	.0369	.4718
:21	.04	.0052		8:00	2.35	.296	.0933	:44	.29	.0369	.3466	:25	.23	.0285	.4773
:22	.06	.0073	.0001	:05	2.14	.270	.1166	:48	.31	.0392	.3491	:30	.20	.0247	.4795
:23	.10	.0121	.0003	:08	2.09	.264	.1300	:50	.35	.0440	.3505	:34	.21	.0266	.4812
:24	.13	.0164	.0005	:12	2.09	.264	.1477	:55	.47	.0598	.3548	:40	.16	.0195	.4835
:25	.17	.0212	.0008	:15	1.99	.251	.1778	10:00	.62	.0782	.3605	12:00	.14	.0179	.4897
:26	.23	.0285	.0012	:25	1.33	.168	.2129	:03	.76	.0953	.3648				
:28	.31	.0392	.0023	:28	1.25	.158	.2211	:06	1.04	.131	.3705				
:30	.41	.0516	.0038	:33	1.25	.158	.2342	:07	1.11	.140	.3728	12:35	.14	.0179	.5001
:35	.59	.0749	.0091	:47	1.33	.168	.2722	:09	1.14	.144	.3775	1:00	.12	.0149	.5069
:40	.76	.0953	.0162	:50	1.29	.163	.2805	:15	1.04	.131	.3913	:30	.10	.0121	.5137

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.79 inch. Wheat 4 inches high. Soil moist and firm. Frost penetration 6 inches.



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Jan. 14 <sup>1</sup>				Feb. 6 <sup>3</sup>				Feb. 10 <sup>4</sup>				Feb. 12 <sup>5</sup>			
p. m.				p. m.				p. m.				p. m.			
1:40	0.09	0.0108	0.5156	9:00 <sup>2</sup>	0.01	0.0008	0.4249	0:04	0.65	0.0815	0.1921	12:05	0.39	0.0489	0.0081
2:00	0.09	0.0108	.5192	1:15 <sup>2</sup>	T	.0004	.4251	1:11	.78	.0990	.2027	1:10	.43	.0542	.0124
2:24	.08	.0096	.5233	4:0 <sup>2</sup>	0	0	.4252	1:15	.88	.110	.2097	1:12	.43	.0542	.0142
2:27	.10	.0121	.5238					2:21	1.07	.135	.2220	1:15	.47	.0598	.0171
2:28	.14	.0179	.5241	Feb. 7-8	0	0	0	2:25	1.14	.144	.2313	2:20	.67	.0849	.0231
2:29	.16	.0195	.5244					3:0	1.07	.135	.2428	2:25	.91	.114	.0314
3:1	.23	.0285	.5252	Feb. 9 <sup>4</sup>				3:35	.88	.110	.2529	3:0	1.04	.131	.0415
3:35	.31	.0392	.5275	p. m.				4:0	.70	.0883	.2611	3:4	1.11	.140	.0506
3:38	.33	.0416	.5295	6:15	0	0	0	4:3	.67	.0849	.2654	4:0 <sup>2</sup>	1.04	.131	.0642
4:2	.31	.0392	.5322	2:0 <sup>2</sup>	T	.0004		4:5	.70	.0883	.2683	5:0 <sup>2</sup>	.91	.114	.0846
4:5	.29	.0369	.5341	2:25 <sup>2</sup>	.01	.0013	.0001	5:0	1.00	.127	.2772	1:00 <sup>2</sup>	.70	.0883	.1015
5:0	.23	.0285	.5368	3:0 <sup>2</sup>	.02	.0026	.0003	5:5 <sup>2</sup>	1.22	.154	.2888	1:0 <sup>2</sup>	.54	.0686	.1146
5:5	.18	.0230	.5389	3:4 <sup>2</sup>	.03	.0042	.0005	6:00	1.07	.135	.3008	2:0 <sup>2</sup>	.43	.0542	.1248
3:00	.14	.0179	.5406	3:8 <sup>2</sup>	.05	.0062	.0008	6:05	.88	.110	.3109	3:0 <sup>2</sup>	.33	.0416	.1328
3:05	.12	.0149	.5420	4:2 <sup>2</sup>	.07	.0084	.0013	6:09	.82	.103	.3180	4:0 <sup>2</sup>	.26	.0326	.1390
3:13	.10	.0121	.5438	4:5 <sup>2</sup>	.09	.0108	.0018	1:15	.97	.122	.3292	5:0 <sup>2</sup>	.21	.0266	.1439
3:20	.08	.0096	.5451	4:8 <sup>2</sup>	.11	.0134	.0024	2:0	1.14	.144	.3402	2:00 <sup>2</sup>	.16	.0195	.1478
3:22	.06	.0073	.5468	5:1 <sup>2</sup>	.13	.0164	.0031	2:23	1.22	.154	.3477	3:0 <sup>2</sup>	.13	.0164	.1496
4:0	.05	.0062	.5477	5:4	.16	.0195	.0040	2:25	1.18	.149	.3527	1:5 <sup>2</sup>	.11	.0134	.1518
4:00	.03	.0042	.5494	7:00	.21	.0266	.0063	3:0	.94	.118	.3637	2:1 <sup>2</sup>	.09	.0108	.1530
3:5	.02	.0026	.5514	1:0	.31	.0392	.0118	3:3	.88	.110	.3694	3:0 <sup>2</sup>	.07	.0084	.1544
5:00	.02	.0019	.5523	1:16	.35	.0440	.0160	3:39	.84	.106	.3802	4:0 <sup>2</sup>	.05	.0062	.1556
4:5	.01	.0008	.5533	2:0	.35	.0440	.0189	4:5	.78	.0990	.3905	5:0 <sup>2</sup>	.03	.0042	.1565
6:00	.01	.0008	.5535	2:25	.35	.0440	.0226	4:59	.73	.0918	.3969	3:00 <sup>2</sup>	.03	.0034	.1571
7:00	0	0	.5539	3:5	.29	.0369	.0294	5:5	.57	.0718	.4051	1:0 <sup>2</sup>	.02	.0019	.1575
Jan. 15-Feb. 5	0	0	0	4:5	.23	.0285	.0349	5:57	.59	.0749	.4075	3:0 <sup>2</sup>	.01	.0008	.1579
Feb. 6 <sup>3</sup>				8:00	.17	.0212	.0411	7:00	.67	.0849	.4115	4:5 <sup>2</sup>	T	.0004	.1581
a. m.				1:5 <sup>2</sup>	.13	.0164	.0433	7:03	.73	.0918	.4159	4:15 <sup>2</sup>	0	0	.1582
11:00	0	0	0	2:0 <sup>2</sup>	.11	.0134	.0453	7:05	.70	.0883	.4189				
1:03	T	.0004		2:20 <sup>2</sup>	.09	.0108	.0463	7:10	.57	.0718	.4255	Feb. 13-17	0	0	0
1:05	.01	.0013		3:0 <sup>2</sup>	.07	.0084	.0479	7:15	.43	.0542	.4307	Feb. 18 <sup>6</sup>			
1:06	.02	.0019		3:5 <sup>2</sup>	.06	.0073	.0485	7:20	.35	.0440	.4348	a. m.			
1:07	.03	.0034		4:5 <sup>2</sup>	.06	.0073	.0497	7:25	.26	.0326	.4380	11:20 <sup>2</sup>	0	0	0
1:08	.03	.0034	.0001	5:5 <sup>2</sup>	.08	.0096	.0511	7:30	.21	.0266	.4405	1:25 <sup>2</sup>	T	.0004	.0001
1:09	.06	.0073	.0001	9:00 <sup>2</sup>	.10	.0121	.0520	7:35	.17	.0212	.4425	2:0 <sup>2</sup>	.01	.0013	.0003
1:10	.09	.0108	.0003	1:08 <sup>2</sup>	.12	.0149	.0538	7:40	.13	.0164	.4456	3:0 <sup>2</sup>	.02	.0026	.0006
1:11	.13	.0164	.0005	1:15	.16	.0195	.0558	7:45	.11	.0134	.4488	3:5 <sup>2</sup>	.03	.0042	.0010
1:12	.17	.0212	.0008	2:25	.23	.0285	.0598	8:00 <sup>2</sup>	.12	.0149	.4497	4:0 <sup>2</sup>	.05	.0062	.0016
1:15	.28	.0348	.0027	3:0	.29	.0369	.0625	8:05	.16	.0195	.4506	4:5	.07	.0084	.0026
1:20	.31	.0392	.0058	3:5	.37	.0464	.0660	1:0	.24	.0305	.4527	5:0	.09	.0108	.0034
1:30	.35	.0440	.0127	4:0	.41	.0516	.0701	1:15	.37	.0464	.4559	5:5	.10	.0121	
1:40	.33	.0416	.0198	4:5	.41	.0516	.0744	1:18	.43	.0542	.4584				
12:00	.28	.0348	.0325	10:00	.29	.0369	.0854	2:1	.41	.0516	.4610	p. m.			
				1:0	.23	.0385	.0909	2:5	.35	.0440	.4642	12:06	.12	.0149	.0048
				2:0	.17	.0212	.0950	3:0	.28	.0348	.4675	1:13	.14	.0179	.0067
				3:0	.13	.0164	.0981	3:5	.24	.0305	.4702	1:17	.17	.0212	.0090
				3:6 <sup>2</sup>	.11	.0134	.0996	3:8	.26	.0326	.4718	2:0	.23	.0285	.0152
				4:3 <sup>2</sup>	.09	.0108	.1010	4:0	.33	.0416	.4730	2:5	.26	.0326	.0203
				5:0 <sup>2</sup>	.07	.0084	.1021	4:2	.43	.0542	.4746	1:00	.29	.0369	.0290
				11:00 <sup>2</sup>	.04	.0052	.1032	4:45	.62	.0782	.4779	2:00	.33	.0416	.0421
				1:0 <sup>2</sup>	.03	.0034	.1039	4:50	.67	.0849	.4820	2:45	.37	.0464	.0604
				2:0 <sup>2</sup>	.02	.0019	.1043	5:0	.65	.0815	.4847	3:0	.39	.0489	.0723
				3:5 <sup>2</sup>	.01	.0008	.1046	5:5	.47	.0598	.4906	3:15	.39	.0489	.0845
				4:5 <sup>2</sup>	T	.0004	.1047	5:57	.39	.0489	.4924	4:15	.39	.0489	.1823
				12:00 <sup>2</sup>	0	0	.1048	9:00	.28	.0348	.4945	5:0	.37	.0464	.1942
				Feb. 10 <sup>4</sup>				1:08	.23	.0285	.4987	5:5	.35	.0440	.2093
				p. m.				1:15	.20	.0247	.5018	6:00	.33	.0416	.2164
				3:47 <sup>2</sup>	0	0	0	2:0	.14	.0179	.5071	6:15	.31	.0392	.2357
				4:8 <sup>2</sup>	T	.0004		2:40	.11	.0134	.5097	6:20	.28	.0348	.2439
				4:9 <sup>2</sup>	.01	.0013		3:0	.09	.0108	.5117	6:25	.24	.0305	.2510
				5:0 <sup>2</sup>	.02	.0026	.0001	3:5	.07	.0084	.5133	6:30	.21	.0266	.2570
				5:1	.07	.0084	.0004	4:10	.05	.0062	.5145	6:35	.17	.0212	.2617
				5:2	.20	.0247	.0010	4:15	.03	.0042	.5158	6:40	.13	.0164	.2642
				5:3	.39	.0489	.0020	4:20	.02	.0026	.5169	6:45	.11	.0134	.2678
				5:4	.59	.0749	.0034	4:25	.01	.0013	.5174	6:50	.09	.0108	.2690
				5:5	.76	.0953	.0040	4:30	T	.0008	.5179	6:55	.07	.0084	.2709
				5:7	1.14	.144	.0073	4:35	0	0	.5181	7:00	.05	.0062	.2718
				4:00	1.38	.174	.0153	4:40	0	0	0	7:05	.03	.0042	.2723
				4:02	1.41	.179	.0211	4:45	.02	.0026	.0001	7:10	.02	.0026	.2725
				4:05	1.41	.179	.0301	4:50	.04	.0052	.0002	7:15	.01	.0013	.2726
				4:07	1.49	.188	.0361	4:55	.06	.0073	.0004	7:20	.01	.0008	.2727
				4:13	1.89	.238	.0574	5:00	.11	.0134	.0004	7:25	0	0	0
				4:15	1.94	.245	.0654	5:05	.16	.0195	.0007	7:30	T	.0004	
				4:17	1.84	.232	.0733	5:10	.20	.0247	.0011	7:35	.01	.0013	
				4:20	1.66	.209	.0788	5:15	.23	.0285	.0016	7:40	.02	.0019	
				4:22	1.25	.158	.1063	5:20	.28	.0326	.0026	7:45	.03	.0034	.0001
				4:25	1.22	.154	.1141	5:25	.31	.0392	.0044				
				4:27	1.49	.188	.1283								
				4:31	1.66	.209	.1416								
				4:35	1.49	.188	.1549								
				4:40	1.14	.144	.1687								
				4:45	.82	.103	.1789								
				4:50	.67	.0849	.1867								
				5:00	.65	.0815	.1894								

<sup>1</sup> Total rainfall for storm of Jan. 14, 0.79 inch. Wheat 4 inches high. Soil moist and firm. Frost penetration 6 inches.

<sup>2</sup> Corrections for silt or ice conditions estimated and applied to observed gage heights.

<sup>3</sup> Total rainfall for storm of Feb. 6, 0.48 inch. Melting snow and thawing soil contributed to run-off. Wheat 4 inches high. Soil dry and firm. Frost penetration 9 inches.

<sup>4</sup> Total rainfall for storm of Feb. 9, 10, and 11, 0.90 inch (gage 115). Melting snow and thawing soil contributed to run-off. Wheat 4 inches high. Soil dry and firm. Frost penetration 9 inches.

<sup>5</sup> No rainfall for Feb. 12. Run-off due to melting snow and thawing soil. Wheat 4 inches high. Soil dry and firm. Frost penetration 9 inches.

<sup>6</sup> Total rainfall for storm of Feb. 18, 0.36 inch (gage 115). Melting snow and thawing soil contributed to run-off. Wheat 4 inches high. Soil wet and firm. Frost penetration 4 inches.

<sup>7</sup> Total rainfall at gage 115 for storm of Mar. 2, 0.30 inch; Mar. 2, 3, and 4, 1.13 inches; and Mar. 18, 0.31 inch. Melting snow and thawing soil contributed to run-off. Wheat 4 inches high. Soil soggy and soft. No frost.



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>
Mar. 2 <sup>7</sup>			Mar. 3 <sup>7</sup>			Mar. 30 <sup>8</sup>			Apr. 3 <sup>9</sup>		
5:41 <sup>2</sup>	0.03	0.0042	5:05	0	0	12:46 <sup>2</sup>	0.06	0.0073	6:03	0.14	0.0179
4:2 <sup>2</sup>	0.05	0.0062	5:07 <sup>2</sup>	0.01	0.0008	4:7 <sup>2</sup>	0.08	0.0096	5:04	0.18	0.0230
4:3 <sup>2</sup>	0.08	0.0096	5:08 <sup>2</sup>	0.02	0.0026	4:8 <sup>2</sup>	0.10	0.0121	5:05	0.23	0.0285
4:4 <sup>2</sup>	0.11	0.0134	5:09 <sup>2</sup>	0.06	0.0073	4:9 <sup>2</sup>	0.12	0.0149	5:06	0.26	0.0326
4:5 <sup>2</sup>	0.14	0.0179	5:10	0.33	0.0416	5:0 <sup>2</sup>	0.14	0.0179	5:08	0.24	0.0305
4:6 <sup>2</sup>	0.21	0.0266	5:11	1.29	0.163	5:2 <sup>2</sup>	0.17	0.0212	5:10	0.18	0.0230
4:8 <sup>2</sup>	0.31	0.0392	5:12	1.99	0.251	5:6	0.21	0.0266	5:12	0.16	0.0195
5:0	0.39	0.0489	5:13	2.51	0.316	1:00	0.24	0.0305	5:17	0.12	0.0149
5:5	0.52	0.0656	5:14	3.10	0.391	5:4	0.24	0.0305	5:20	0.09	0.0108
6:00	0.54	0.0686	5:17	3.97	0.501	5:7	0.23	0.0285	5:25	0.06	0.0073
5:3	0.52	0.0656	5:20	3.69	0.465	5:10	0.23	0.0285	5:30	0.03	0.0042
5:5	0.47	0.0598	5:25	2.62	0.330	5:26	0.26	0.0326	5:35	0.02	0.0026
10:2	0.33	0.0416	5:28	1.99	0.251	5:30	0.28	0.0348	5:42	0.01	0.0013
15:2	0.23	0.0285	5:31	1.49	0.188	5:45	0.21	0.0266	5:50	T	0.004
20:2	0.16	0.0195	5:34 <sup>2</sup>	1.07	0.135	5:56	0.17	0.0212	7:00	0	0
25:2	0.11	0.0134	5:37 <sup>2</sup>	0.78	0.0990	6:00	0.18	0.0230			
30:2	0.07	0.0084	5:40 <sup>2</sup>	0.59	0.0749	2:00	0.20	0.0247	Apr. 4-10	0	0
33:2	0.05	0.0062	5:43 <sup>2</sup>	0.45	0.0570	3:13	0.21	0.0266			
37:2	0.03	0.0042	5:45 <sup>2</sup>	0.37	0.0464	3:21	0.18	0.0230	Apr. 11 <sup>10</sup>		
41:2	0.02	0.0026	5:47 <sup>2</sup>	0.31	0.0392	3:33	0.14	0.0179	<i>p. m.</i>		
47:2	0.01	0.0013	5:50 <sup>2</sup>	0.24	0.0305	3:40	0.17	0.0212	2:03	0	0
5:5	T	0.004	5:53 <sup>2</sup>	0.18	0.0230	3:56	0.21	0.0266	5:05	T	0.0004
7:00	T	0	5:56 <sup>2</sup>	0.13	0.0164	4:00	0.21	0.0266	5:07	0.01	0.0013
5:5	0	0	6:00	0.10	0.0121	4:03	0.23	0.0285	5:10	0.02	0.0019
9:13	0	0	5:03 <sup>2</sup>	0.07	0.0084	4:15	0.23	0.0285	5:30	0.02	0.0019
14:2	T	0.0004	5:06 <sup>2</sup>	0.05	0.0062	4:30	0.21	0.0266	5:40	0.03	0.0034
15:2	0.01	0.0013	5:09 <sup>2</sup>	0.03	0.0042	4:45	0.18	0.0230	5:52	0.04	0.0052
16:2	0.03	0.0034	5:13 <sup>2</sup>	0.02	0.0026	5:00	0.13	0.0164	6:00	0.07	0.0084
17:2	0.09	0.0108	5:17 <sup>2</sup>	0.01	0.0013	5:00	0.11	0.0134	3:00	0.08	0.0096
18:2	0.20	0.0247	5:23 <sup>2</sup>	T	0.0004	6:00	0.10	0.0121	3:04	0.09	0.0108
19:2	0.39	0.0489	5:30 <sup>2</sup>	0	0	12:00	0.10	0.0121	3:07	0.11	0.0134
20:2	0.65	0.0815	Mar. 4-17	0	0				3:09	0.13	0.0164
21:2	0.94	0.118	Mar. 18 <sup>7</sup>			Mar. 31			3:12	0.14	0.0179
22:2	1.14	0.140	<i>p. m.</i>			<i>a. m.</i>			3:21	0.14	0.0179
24:2	1.33	0.168	5:45 <sup>2</sup>	0	0	12:00	0.09	0.0108	3:40	0.13	0.0164
26	1.41	0.179	4:6	T	0.0004				3:45	0.11	0.0134
28	1.41	0.179	4:7 <sup>2</sup>	0.01	0.0013	<i>p. m.</i>			3:53	0.10	0.0121
32	1.41	0.179	4:8 <sup>2</sup>	0.03	0.0034	6:00	0.08	0.0096	4:00	0.09	0.0108
43	1.33	0.168	4:9 <sup>2</sup>	0.05	0.0062	12:00	0.05	0.0062	4:05	0.08	0.0096
10:00	1.07	0.135	5:0	0.08	0.0096				4:15	0.08	0.0096
15	0.88	0.110	5:1	0.13	0.0164	Apr. 1			4:25	0.07	0.0084
25	0.76	0.0953	5:2	0.18	0.0230	<i>a. m.</i>			4:45	0.06	0.0073
40	0.65	0.0815	5:3	0.28	0.0348	6:00	0.02	0.0026	5:00	0.06	0.0073
50	0.57	0.0718	5:4	0.35	0.0440	12:00	T	0.0004	5:04	0.07	0.0084
11:00	0.50	0.0627	5:5	0.45	0.0570				5:08	0.09	0.0108
10	0.45	0.0570	5:6	0.59	0.0749	<i>p. m.</i>			5:12	0.11	0.0134
21	0.41	0.0516	5:7	0.76	0.0953	6:00	0	0	5:15	0.12	0.0149
23	0.43	0.0542	5:8	1.00	0.127				5:20	0.12	0.0149
26	0.52	0.0656	6:00	1.22	0.154	Apr. 2	0	0	5:25	0.11	0.0134
27	0.59	0.0749	5:02	1.25	0.158				5:45	0.08	0.0096
28	1.14	0.144	5:05	1.29	0.163	Apr. 3 <sup>9</sup>			6:00	0.08	0.0096
29	1.33	0.168	5:10	1.14	0.144	<i>p. m.</i>			6:10	0.09	0.0108
35	1.71	0.216	5:15	1.38	0.174	2:06	0	0	6:30	0.10	0.0121
40	1.89	0.238	5:17	1.71	0.216	2:08	0.01	0.0008	6:38	0.12	0.0149
48	1.99	0.251	5:20	2.14	0.270	2:08	0.02	0.0026	6:43	0.14	0.0179
12:00	1.80	0.227	5:25	2.51	0.316	2:09	0.05	0.0062	6:45	0.17	0.0212
Mar. 3 <sup>7</sup>			5:28	2.04	0.257	2:10	0.14	0.0179	6:51	0.23	0.0285
<i>a. m.</i>			5:30	1.71	0.216	2:11	0.31	0.0392	7:00	0.24	0.0305
12:05	1.66	0.209	5:32	1.33	0.168	2:12	0.47	0.0598	7:04	0.29	0.0369
15	1.33	0.168	5:35 <sup>2</sup>	0.94	0.118	2:13	0.54	0.0686	7:07	0.37	0.0464
23	1.22	0.154	5:38 <sup>2</sup>	0.67	0.0849	2:14	0.57	0.0718	7:09	0.50	0.0627
26	1.25	0.158	5:42 <sup>2</sup>	0.45	0.0570	2:15	0.54	0.0686	7:14	0.57	0.0718
40	1.58	0.199	5:45 <sup>2</sup>	0.33	0.0416	2:17	0.43	0.0542	7:16	0.59	0.0749
45	1.71	0.216	5:50 <sup>2</sup>	0.21	0.0266	2:18	0.35	0.0440	7:20	0.50	0.0627
55	1.80	0.227	5:53 <sup>2</sup>	0.16	0.0195	2:19	0.28	0.0348	7:25	0.39	0.0489
1:00	1.84	0.232	5:55 <sup>2</sup>	0.13	0.0164	2:20	0.21	0.0266	7:30	0.33	0.0416
06	1.84	0.232	5:57 <sup>2</sup>	0.11	0.0134	2:22	0.14	0.0179	7:33	0.33	0.0416
10	1.80	0.227	7:00	0.09	0.0108	2:23	0.12	0.0149	7:38	0.31	0.0392
25	1.45	0.183	7:02 <sup>2</sup>	0.07	0.0084	2:24	0.10	0.0121	7:45	0.29	0.0369
45	1.07	0.135	7:05 <sup>2</sup>	0.05	0.0062	2:25	0.08	0.0096	7:50	0.25	0.0316
2:00	0.82	0.103	7:08 <sup>2</sup>	0.03	0.0042	2:27	0.06	0.0073	7:54	0.29	0.0369
15	0.59	0.0749	7:11 <sup>2</sup>	0.02	0.0026	2:29	0.04	0.0052	8:00	0.33	0.0416
30	0.43	0.0542	7:15 <sup>2</sup>	0.01	0.0013	3:1	0.03	0.0034	8:04	0.35	0.0440
45	0.31	0.0392	7:22	T	0.0004	3:2	0.02	0.0019	8:08	0.37	0.0464
3:00	0.21	0.0266	7:30 <sup>2</sup>	0	0	3:4	0.01	0.0008	8:10	0.52	0.0656
15	0.13	0.0164				4:1	T	0.0004	8:12	0.54	0.0686
20	0.11	0.0134	Mar. 19-29	0	0	5:0	T	0	8:16	0.52	0.0656
27	0.09	0.0108	Mar. 30 <sup>8</sup>						8:18	0.43	0.0542
34	0.07	0.0084	<i>p. m.</i>			5:56	T	0	8:21	0.35	0.0440
42	0.05	0.0062	12:38	0	0	5:58	0.01	0.0008	8:25	0.35	0.0416
50	0.03	0.0042	4:2	T	0.0004	5:59	0.03	0.0042	8:38	0.31	0.0392
4:00	0.02	0.0026	4:3	0.01	0.0013	6:00	0.06	0.0073	8:43	0.29	0.0369
15	0.01	0.0013	4:4	0.02	0.0026	6:02	0.09	0.0108	8:45	0.37	0.0464
35	T	0.0004	4:5	0.03	0.0042	6:05	0.11	0.0134	8:50	0.50	0.0627
5:00	0	0									

<sup>2</sup> Corrections for silt or ice conditions estimated and applied to observed gage heights.

<sup>7</sup> Total rainfall at gage 115 for storm of Mar. 2, 0.30 inch; Mar. 2, 3, and 4, 1.13 inches; and Mar. 18, 0.31 inch. Melting snow and thawing soil contributed to run-off. Wheat 4 inches high. Soil soggy and soft. No frost.

<sup>8</sup> Total rainfall for storm of Mar. 30, 31, and Apr. 1, 0.77 inch. Wheat 5 inches high. Soil fairly wet and soft.

<sup>9</sup> Total rainfall for storm of Apr. 3, 0.25 inch. Wheat 5 inches high. Soil fairly wet and soft.

<sup>10</sup> Total rainfall for storm of Apr. 11 and 12, 1.22 inches. Wheat 5½ inches high. Soil fairly wet and soft.



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Apr. 11 <sup>10</sup>				Apr. 18 <sup>11</sup>				Apr. 19 <sup>12</sup>				Apr. 20			
p. m.				a. m.				p. m.				a. m.			
8:55-----	0.62	0.0782	0.1464	7:00-----	0.02	0.0026	0.0971	10:15-----	1.18	0.149	0.2365	8:20 <sup>2</sup> -----	0.16	0.0195	0.8490
:59-----	.70	.0883	.1520	:20-----	.02	.0026	.0980	:20-----	1.29	.163	.2494	:25 <sup>2</sup> -----	.13	.0164	.8505
9:00-----	.70	.0883	.1535	:30-----	.03	.0042	.0986	:24-----	1.25	.158	.2601	:30 <sup>2</sup> -----	.11	.0134	.8517
:05-----	.52	.0656	.1599	:40-----	.05	.0062	.0995	:30-----	1.41	.179	.2769	:38 <sup>2</sup> -----	.09	.0108	.8533
:10-----	.41	.0516	.1648	8:00-----	.05	.0062	.1016	:37-----	1.53	.193	.2987	:47 <sup>2</sup> -----	.07	.0084	.8551
:16-----	.37	.0464	.1697	9:00 <sup>2</sup> -----	.04	.0052	.1073	:42-----	1.45	.183	.3143	9:00 <sup>2</sup> -----	.06	.0073	.8568
:20-----	.39	.0489	.1729	10:00 <sup>2</sup> -----	.03	.0042	.1110	:46-----	1.45	.183	.3266	11:00 <sup>2</sup> -----	.06	.0073	.8714
:28-----	.41	.0516	.1796	11:00 <sup>2</sup> -----	.02	.0026	.1154	:51-----	1.38	.174	.3414	12:00 <sup>2</sup> -----	.07	.0084	.8792
:30-----	.39	.0489	.1813	12:00 <sup>2</sup> -----	.02	.0019	.1176	:57-----	1.14	.144	.3573				
:40-----	.50	.0627	.1906					11:00-----	1.18	.149	.3646	p. m.			
:45-----	.52	.0656	.1959					:02-----	1.22	.154	.3697	12:25-----	.07	.0084	.8827
:47-----	.54	.0686	.1981	1:00 <sup>2</sup> -----	.01	.0013	.1192	:05-----	1.22	.154	.3774	:40-----	.08	.0096	.8850
:52-----	.67	.0849	.2045	2:00-----	.01	.0013	.1205	:09-----	1.49	.188	.3888	:57-----	.09	.0108	.8879
:55-----	.70	.0883	.2088	:30-----	.01	.0008	.1210	:11-----	1.75	.221	.3956	1:00-----	.10	.0121	.8885
10:00-----	.67	.0849	.2160	3:00-----	.01	.0008	.1214	:14-----	1.84	.232	.4070	:05-----	.13	.0164	.8897
:02-----	.65	.0815	.2187	:30-----	T	.0004	.1217	:18-----	1.84	.232	.4225	:15-----	.16	.0195	.8927
:05-----	.50	.0627	.2223	4:00-----	T	.0004	.1219	:21-----	1.89	.238	.4343	:30-----	.16	.0195	.8976
:13-----	.33	.0416	.2292	:40-----	0	0	.1220	:30-----	1.62	.204	.4675	6:00 <sup>2</sup> -----	.16	.0195	.9854
:20-----	.26	.0326	.2335					:33-----	1.53	.193	.4775	12:00 <sup>2</sup> -----	.10	.0121	1.0802
:30-----	.21	.0266	.2384	Apr. 19 <sup>12</sup>				:40-----	1.07	.135	.4967				
:45-----	.20	.0247	.2448	a. m.				:45-----	.76	.0953	.5063	Apr. 21			
11:00-----	.12	.0149	.2498	4:43-----	0	0	0	:50-----	.57	.0718	.5132	6:00 <sup>2</sup> -----	.08	.0096	1.1456
:15 <sup>2</sup> -----	.09	.0108	.2530	:50-----	T	.0004	.0001	:55-----	.47	.0598	.5187	12:00 <sup>2</sup> -----	.06	.0073	1.1960
:30 <sup>2</sup> -----	.06	.0073	.2553	5:00-----	.01	.0013	.0002		.41	.0516	.5233				
:45 <sup>2</sup> -----	.04	.0052	.2569	:20-----	.01	.0013	.0006	Apr. 20				p. m.			
12:00 <sup>2</sup> -----	.03	.0042	.2581	:40-----	.02	.0019	.0011	a. m.				12:00 <sup>2</sup> -----	.04	.0052	1.2704
				6:00-----	.02	.0019	.0017	12:15-----	.31	.0392	.5347	Apr. 22			
Apr. 12 <sup>10</sup>				7:00-----	.02	.0019	.0036	:30-----	.26	.0326	.5437	a. m.			
12:10 <sup>2</sup> -----	.03	.0034	.2587	:30-----	.01	.0013	.0044	:45-----	.23	.0285	.5514	10:00 <sup>2</sup> -----	.03	.0034	1.3134
:20 <sup>2</sup> -----	.02	.0026	.2592	8:00-----	.01	.0013	.0051	1:00-----	.20	.0247	.5581	p. m.			
:45 <sup>2</sup> -----	.02	.0019	.2602	10:30-----	.01	.0013	.0084	:15-----	.16	.0195	.5636	12:00 <sup>2</sup> -----	.02	.0026	1.3194
:55 <sup>2</sup> -----	.02	.0019	.2605	:50-----	.02	.0026	.0090	:25-----	.14	.0179	.5667	Apr. 23			
1:00 <sup>2</sup> -----	.02	.0026	.2607	11:00-----	.02	.0026	.0094	:30-----	.16	.0195	.5683	a. m.			
:10 <sup>2</sup> -----	.07	.0084	.2616	:15-----	.02	.0026	.0101	:45-----	.13	.0165	.5728	6:00 <sup>2</sup> -----	.02	.0026	1.3350
:15-----	.09	.0108	.2624	:20-----	.03	.0034	.0103	2:00-----	.13	.0165	.5769	12:00 <sup>2</sup> -----	.03	.0034	1.3530
:20-----	.10	.0121	.2633	:50-----	.03	.0042	.0122	:20-----	.13	.0165	.5824	p. m.			
2:00-----	.10	.0121	.2714	12:00-----	.04	.0052	.0130	:30-----	.11	.0134	.5849	3:00 <sup>2</sup> -----	.02	.0019	1.3608
:15 <sup>2</sup> -----	.08	.0096	.2741					:40-----	.11	.0134	.5894	5:00 <sup>2</sup> -----	.01	.0008	1.3634
:30 <sup>2</sup> -----	.06	.0073	.2762	12:10-----	.06	.0073	.0140	:50-----	.11	.0134	.5915	9:00 <sup>2</sup> -----	0	0	1.3650
:45 <sup>2</sup> -----	.04	.0052	.2778	:45-----	.06	.0073	.0183	3:00-----	.10	.0121	.5915	Apr. 24--			
3:00 <sup>2</sup> -----	.02	.0026	.2788	1:00-----	.05	.0062	.0200	:15-----	.11	.0134	.5947	May 5-----	0	0	0
:15 <sup>2</sup> -----	.02	.0019	.2794	2:00-----	.05	.0062	.0262	:45-----	.11	.0134	.6014	May 6 <sup>13</sup>			
:30 <sup>2</sup> -----	.01	.0008	.2798	:50-----	.05	.0062	.0314	4:00-----	.10	.0121	.6046	p. m.			
4:00 <sup>2</sup> -----	T	.0004	.2801	3:00-----	.06	.0073	.0325	:50-----	.10	.0121	.6147	6:45-----	0	.65	.0815
:30 <sup>2</sup> -----	0	0	.2802	:06-----	.07	.0084	.0333	5:00-----	.12	.0149	.6170	:46-----	.80	.227	.0033
Apr. 13-16-----	0	0	0	:20-----	.07	.0084	.0409	:05-----	.13	.0164	.6183	:47-----	1.80	.359	.0083
Apr. 17 <sup>11</sup>				:40-----	.07	.0084	.0437	:11-----	.11	.0134	.6210	:48-----	3.62	.456	.0152
p. m.				5:00-----	.08	.0096	.0467	:25-----	.11	.0134	.6231	:49-----	4.58	.578	.0240
1:21 <sup>2</sup> -----	0	0	0	:10-----	.12	.0149	.0503	:27-----	.13	.0164	.6236	:50-----	5.66	.714	.0348
:23 <sup>2</sup> -----	T	.0004	0	:20-----	.12	.0149	.0526	:29-----	.16	.0195	.6242	:51-----	6.58	.830	.0479
:25 <sup>2</sup> -----	.01	.0013	.0001	:40-----	.14	.0179	.0553	:33-----	.23	.0285	.6258	:52-----	7.48	.943	.0629
:28 <sup>2</sup> -----	.02	.0026	.0001	:50-----	.14	.0179	.0610	:36-----	.23	.0285	.6272	:53-----	6.97	.879	.0929
:32 <sup>2</sup> -----	.03	.0042	.0003	6:00-----	.14	.0179	.0668	:45-----	.16	.0195	.6308	:55-----	6.39	.896	.1072
:39 <sup>2</sup> -----	.05	.0062	.0009	:05-----	.16	.0195	.0684	:50-----	.13	.0164	.6323	:56-----	4.98	.628	.1318
:50-----	.06	.0073	.0021	:25-----	.16	.0195	.0749	6:00-----	.13	.0164	.6350	:58-----	3.76	.474	.1488
2:00-----	.07	.0084	.0034	:35-----	.17	.0212	.0783	:15-----	.14	.0179	.6393	:01-----	3.22	.406	.1563
:20-----	.06	.0073	.0060	:45-----	.16	.0195	.0812	:17-----	.18	.0230	.6400	:02-----	2.62	.330	.1625
:35-----	.07	.0084	.0080	:55-----	.17	.0212	.0851	:19-----	.21	.0266	.6408	:03-----	2.14	.270	.1676
3:00-----	.06	.0073	.0113	7:00-----	.21	.0266	.0871	:23-----	.33	.0416	.6419	:04-----	1.58	.199	.1716
4:00-----	.06	.0073	.0186	:02-----	.21	.0266	.0880	:25-----	.50	.0627	.6436	:05-----	1.18	.149	.1746
5:00-----	.05	.0062	.0253	:15-----	.17	.0212	.0932	:27-----	.78	.0990	.6463	:06-----	.57	.0718	.1765
6:00-----	.06	.0073	.0320	:20-----	.16	.0195	.0949	:30-----	1.11	.140	.6502	:07-----	.35	.0440	.1775
7:00-----	.05	.0062	.0387	:30-----	.17	.0212	.0983	:35-----	1.45	.183	.6583	:08-----	.28	.0348	.1782
:20-----	.07	.0084	.0411	:45-----	.20	.0247	.1002	:37-----	1.75	.221	.6751	:09-----	.23	.0285	.1787
:30-----	.08	.0096	.0426	:50-----	.21	.0266	.1045	:40-----	1.89	.238	.6946	:10 <sup>2</sup> -----	.18	.0230	.1791
:40-----	.08	.0096	.0442	8:00-----	.21	.0266	.1111	:45-----	1.80	.227	.7139	:12 <sup>2</sup> -----	.14	.0179	.1798
8:00-----	.07	.0084	.0472	:15-----	.28	.0348	.1188	:52-----	1.25	.158	.7299	:14 <sup>2</sup> -----	.12	.0149	.1803
9:00-----	.07	.0084	.0556	:20-----	.35	.0440	.1221	:55-----	1.18	.149	.7349	:16 <sup>2</sup> -----	.10	.0121	.1807
10:00-----	.06	.0073	.0634	:25-----	.43	.0542	.1262	:57-----	1.45	.183	.7432	:19 <sup>2</sup> -----	.08	.0096	.1812
11:00-----	.05	.0062	.0701	:32-----	.47	.0598	.1329	:59-----	1.62	.204	.7496	:23 <sup>2</sup> -----	.06	.0073	.1818
12:00-----	.05	.0062	.0763	:45-----	.47	.0598	.1369	7:00-----	1.71	.216	.7601	:27 <sup>2</sup> -----	.04	.0052	.1822
				:57-----	.37	.0464	.1449	:04-----	1.80	.227	.7749	:33 <sup>2</sup> -----	.03	.0034	.1826
Apr. 18 <sup>11</sup>				:47-----	.35	.0440	.1464	:07-----	1.66	.209	.7856	:45 <sup>2</sup> -----	.02	.0019	.1831
a. m.				9:00-----	.41	.0516	.1568	:10-----	1.25	.158	.7948	8:00 <sup>2</sup> -----	.01	.0008	.1834
12:30-----	.05	.0062	.0794	:02-----	.43	.0542	.1585	:12-----	.97	.122	.7994	:25 <sup>2</sup> -----	T	.0004	.1837
1:00-----	.04	.0052	.0823	:08-----	.39	.0489	.1637	:14-----	.73	.0918	.8029	9:00 <sup>2</sup> -----	0	0	.1838
2:00-----	.03	.0034	.0863	:16-----	.37	.0464	.1700	:16-----	.57	.0718	.8056	May 7-23-----	0	0	0
3:00-----	.02	.0019	.0892	:25-----	.43	.0542	.1775	:20 <sup>2</sup> -----	.39	.0489	.8096				
4:00-----	.01	.0008	.0905	:35-----	.35	.0440	.1865	:25 <sup>2</sup> -----	.26	.0326	.8130				
:50-----	.01	.0008	.0912	:41-----	.39	.0489	.1904	:27 <sup>2</sup> -----	.26	.0326	.8141				
5:00-----	.01	.0013	.0914	:45-----	.50	.0627	.1941	:35 <sup>2</sup> -----	.31	.0392	.8189				
:30-----	.02	.0026	.0924	:53-----	.57	.0718	.2030	:45 <sup>2</sup> -----	.41	.0516	.8265				
6:00-----	.03	.0034	.0939	:58-----	.52	.0656	.2087	:50 <sup>2</sup> -----	.41	.0516	.8308				
:30-----	.03	.0034	.0956	10:00-----	.54	.0686	.2109	:55 <sup>2</sup> -----	.39	.0489	.8350				



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off	Date and time	Instantaneous rate of run-off	Accumulated run-off
May 24 <sup>14</sup>			May 24 <sup>14</sup>			May 29 <sup>15</sup>			May 30 <sup>15</sup>		
a. m.	Second-foot	Inches per hour	a. m.	Second-foot	Inches per hour	p. m.	Second-foot	Inches per hour	a. m.	Second-foot	Inches per hour
5:43	0	0	11:14 <sup>2</sup>	0	0	9:46	0.02	0.0026	2:18 <sup>2</sup>	0.05	0.0062
5:44	T	.0004	11:15 <sup>2</sup>	.01	.0008	9:47	.03	.0042	2:19 <sup>2</sup>	.03	.0042
5:45	.01	.0013	11:16 <sup>2</sup>	.02	.0019	9:48	.05	.0062	2:20 <sup>2</sup>	.02	.0026
5:47	.02	.0026	11:17 <sup>2</sup>	.03	.0034	9:49	.08	.0096	2:21 <sup>2</sup>	.01	.0013
5:48	.03	.0042	11:18 <sup>2</sup>	.05	.0062	9:50	.11	.0134	2:22 <sup>2</sup>	T	.0004
5:51	.05	.0062	11:19 <sup>2</sup>	.08	.0096	9:52	.11	.0134	2:23 <sup>2</sup>	0	0
5:54	.07	.0084	11:20 <sup>2</sup>	.11	.0134	9:53	.16	.0195	2:24 <sup>2</sup>	0	0
5:58	.08	.0096	11:21 <sup>2</sup>	.16	.0195	9:54	.17	.0212	2:25 <sup>2</sup>	p. m.	
6:00	.09	.0108	11:22 <sup>2</sup>	.26	.0326	9:56	.14	.0179	2:30 <sup>2</sup>	0	0
6:02	.11	.0134	11:23 <sup>2</sup>	.29	.0369	9:58	.12	.0149	3:00 <sup>2</sup>	T	.0004
6:04	.11	.0134	11:24 <sup>2</sup>	.35	.0440	10:00	.09	.0108	3:01 <sup>2</sup>	T	.0004
6:06	.17	.0212	11:25 <sup>2</sup>	.39	.0489	10:02	.07	.0084	3:02 <sup>2</sup>	.01	.0013
6:11	.13	.0164	11:26 <sup>2</sup>	.39	.0489	10:04	.05	.0062	3:03 <sup>2</sup>	.02	.0026
6:16	.17	.0212	11:27 <sup>2</sup>	.45	.0570	10:07 <sup>2</sup>	.03	.0042	3:04 <sup>2</sup>	.04	.0052
6:21	.13	.0164	11:28 <sup>2</sup>	.54	.0686	10:10 <sup>2</sup>	.02	.0026	3:05 <sup>2</sup>	.07	.0084
6:23	.16	.0195	11:29 <sup>2</sup>	.43	.0542	10:14 <sup>2</sup>	.01	.0013	3:06 <sup>2</sup>	.10	.0121
6:25	.23	.0285	11:30 <sup>2</sup>	.31	.0392	10:20 <sup>2</sup>	T	.0004	3:07 <sup>2</sup>	.13	.0164
6:26	.31	.0392	11:31 <sup>2</sup>	.24	.0305	10:28 <sup>2</sup>	T	.0004	3:08 <sup>2</sup>	.16	.0195
6:28	.39	.0489	11:32 <sup>2</sup>	.17	.0212	10:30 <sup>2</sup>	T	.0004	3:09 <sup>2</sup>	.20	.0247
6:31	.33	.0416	11:33 <sup>2</sup>			10:31 <sup>2</sup>	.01	.0013	3:10 <sup>2</sup>	.20	.0247
6:33	.24	.0305	11:34 <sup>2</sup>			10:32 <sup>2</sup>	.02	.0026	3:11 <sup>2</sup>	.20	.0247
6:37	.18	.0230	11:35 <sup>2</sup>	.13	.0164	10:33 <sup>2</sup>	.04	.0052	3:12 <sup>2</sup>	.18	.0230
6:39	.24	.0305	11:36 <sup>2</sup>	.11	.0134	10:34 <sup>2</sup>	.06	.0073	3:13 <sup>2</sup>	.14	.0179
6:40	.31	.0392	11:37 <sup>2</sup>	.09	.0108	10:35 <sup>2</sup>	.08	.0096	3:14 <sup>2</sup>	.12	.0149
6:41	.43	.0542	11:38 <sup>2</sup>	.07	.0084	10:37 <sup>2</sup>	.09	.0108	3:15 <sup>2</sup>	.10	.0121
6:43	.65	.0815	11:39 <sup>2</sup>	.05	.0062	10:38 <sup>2</sup>	.10	.0121	3:16 <sup>2</sup>	.09	.0108
6:45	.88	.110	11:40 <sup>2</sup>	.03	.0042	10:39 <sup>2</sup>	.14	.0179	3:17 <sup>2</sup>	.09	.0108
6:47	.94	.118	11:41 <sup>2</sup>	.02	.0026	10:40 <sup>2</sup>	.16	.0195	3:18 <sup>2</sup>	.11	.0134
6:50	.82	.103	11:42 <sup>2</sup>	.01	.0013	10:42 <sup>2</sup>	.13	.0164	3:19 <sup>2</sup>	.12	.0149
6:54	.59	.0749	11:43 <sup>2</sup>	T	.0004	10:45 <sup>2</sup>	.11	.0134	3:20 <sup>2</sup>	.12	.0149
6:56	.43	.0542	11:44 <sup>2</sup>	T	.0004	10:47 <sup>2</sup>	.09	.0108	3:21 <sup>2</sup>	.10	.0121
7:00	.29	.0369	11:45 <sup>2</sup>	T	.0004	10:50 <sup>2</sup>	.07	.0084	3:22 <sup>2</sup>	.11	.0134
7:03	.21	.0266	11:46 <sup>2</sup>	.04	.0052	10:53 <sup>2</sup>	.05	.0062	3:23 <sup>2</sup>	.11	.0134
7:06	.16	.0195	11:47 <sup>2</sup>	.11	.0134	10:56 <sup>2</sup>	.03	.0042	3:24 <sup>2</sup>	.10	.0121
7:09	.12	.0149	11:48 <sup>2</sup>	.23	.0285	11:00 <sup>2</sup>	.02	.0026	3:25 <sup>2</sup>	.08	.0096
7:11	.10	.0121	11:49 <sup>2</sup>	.45	.0570	11:02 <sup>2</sup>	.01	.0013	3:26 <sup>2</sup>	.06	.0073
7:15	.07	.0084	11:50 <sup>2</sup>	.88	.110	11:04 <sup>2</sup>	T	.0004	3:27 <sup>2</sup>	.05	.0062
7:17	.05	.0062	11:51 <sup>2</sup>	1.04	.131	11:06 <sup>2</sup>	0	0	3:28 <sup>2</sup>	.03	.0042
7:20	.03	.0042	11:52 <sup>2</sup>	.01	.0013	11:08 <sup>2</sup>	0	0	3:29 <sup>2</sup>	.02	.0026
7:24	.02	.0026	11:53 <sup>2</sup>	.03	.0042	11:10 <sup>2</sup>	0	0	3:30 <sup>2</sup>	.01	.0013
7:29	.01	.0013	11:54 <sup>2</sup>	.05	.0062	11:12 <sup>2</sup>	0	0	3:31 <sup>2</sup>	.01	.0013
7:35	T	.0004	11:55 <sup>2</sup>	.08	.0108	11:13 <sup>2</sup>	a. m.		3:32 <sup>2</sup>	T	.0004
7:43	0	0	11:56 <sup>2</sup>	.10	.0134	11:14 <sup>2</sup>	0	0	3:33 <sup>2</sup>	T	.0004
8:44	0	0	11:57 <sup>2</sup>	.28	.0348	11:15 <sup>2</sup>	.02	.0019	3:34 <sup>2</sup>	0	0
8:49	.01	.0008	11:58 <sup>2</sup>	.23	.0285	11:16 <sup>2</sup>	.06	.0073	3:35 <sup>2</sup>	0	0
8:52	.02	.0019	11:59 <sup>2</sup>	.16	.0195	11:17 <sup>2</sup>	.12	.0149	3:36 <sup>2</sup>	0	0
8:54	.03	.0034	12:00 <sup>2</sup>	.12	.0149	11:18 <sup>2</sup>	.28	.0348	3:37 <sup>2</sup>	0	0
8:55	.04	.0052	12:01 <sup>2</sup>	.10	.0121	11:19 <sup>2</sup>	.67	.0849	3:38 <sup>2</sup>	0	0
8:57	.07	.0084	12:02 <sup>2</sup>	.08	.0096	11:20 <sup>2</sup>	1.07	.135	3:39 <sup>2</sup>	0	0
8:58	.10	.0121	12:03 <sup>2</sup>	.06	.0073	11:21 <sup>2</sup>	1.29	.163	3:40 <sup>2</sup>	0	0
8:59	.13	.0164	12:04 <sup>2</sup>	.04	.0052	11:22 <sup>2</sup>	1.62	.204	3:41 <sup>2</sup>	0	0
9:00	.17	.0212	12:05 <sup>2</sup>	.03	.0034	11:23 <sup>2</sup>	1.71	.216	3:42 <sup>2</sup>	0	0
9:01	.26	.0326	12:06 <sup>2</sup>	.02	.0019	11:24 <sup>2</sup>	1.71	.216	3:43 <sup>2</sup>	0	0
9:02	.39	.0489	12:07 <sup>2</sup>	.01	.0013	11:25 <sup>2</sup>	1.49	.188	3:44 <sup>2</sup>	0	0
9:03	.67	.0849	12:08 <sup>2</sup>	T	.0004	11:26 <sup>2</sup>	1.14	.144	3:45 <sup>2</sup>	0	0
9:04	1.22	.154	12:09 <sup>2</sup>	0	0	11:27 <sup>2</sup>	.80	.106	3:46 <sup>2</sup>	0	0
9:05	1.58	.199	12:10 <sup>2</sup>	0	0	11:28 <sup>2</sup>	.59	.0749	3:47 <sup>2</sup>	0	0
9:07	1.75	.221	12:11 <sup>2</sup>	0	0	11:29 <sup>2</sup>	.41	.0516	3:48 <sup>2</sup>	0	0
9:08	1.62	.204	12:12 <sup>2</sup>	0	0	11:30 <sup>2</sup>	.33	.0416	3:49 <sup>2</sup>	0	0
9:09	1.38	.174	12:13 <sup>2</sup>	0	0	11:31 <sup>2</sup>	.26	.0326	3:50 <sup>2</sup>	0	0
9:10	1.11	.140	12:14 <sup>2</sup>	0	0	11:32 <sup>2</sup>	.21	.0266	3:51 <sup>2</sup>	0	0
9:11	.84	.106	12:15 <sup>2</sup>	0	0	11:33 <sup>2</sup>	.17	.0212	3:52 <sup>2</sup>	0	0
9:13	.57	.0718	12:16 <sup>2</sup>	0	0	11:34 <sup>2</sup>	.14	.0179	3:53 <sup>2</sup>	0	0
9:15	.41	.0516	12:17 <sup>2</sup>	0	0	11:35 <sup>2</sup>	.12	.0149	3:54 <sup>2</sup>	0	0
9:17	.31	.0392	12:18 <sup>2</sup>	0	0	11:36 <sup>2</sup>	.10	.0121	3:55 <sup>2</sup>	0	0
9:20	.23	.0285	12:19 <sup>2</sup>	0	0	11:37 <sup>2</sup>	.08	.0096	3:56 <sup>2</sup>	0	0
9:23	.18	.0230	12:20 <sup>2</sup>	0	0	11:38 <sup>2</sup>	.06	.0073	3:57 <sup>2</sup>	0	0
9:26	.18	.0230	12:21 <sup>2</sup>	0	0	11:39 <sup>2</sup>	.04	.0052	3:58 <sup>2</sup>	0	0
9:30	.20	.0247	12:22 <sup>2</sup>	0	0	11:40 <sup>2</sup>	.03	.0042	3:59 <sup>2</sup>	0	0
9:34	.16	.0195	12:23 <sup>2</sup>	0	0	11:41 <sup>2</sup>	.08	.0096	4:00 <sup>2</sup>	0	0
9:36	.13	.0164	12:24 <sup>2</sup>	0	0	11:42 <sup>2</sup>	.14	.0179	4:01 <sup>2</sup>	0	0
9:40	.11	.0134	12:25 <sup>2</sup>	0	0	11:43 <sup>2</sup>	.29	.0369	4:02 <sup>2</sup>	0	0
9:43	.11	.0134	12:26 <sup>2</sup>	0	0	11:44 <sup>2</sup>	.70	.0883	4:03 <sup>2</sup>	0	0
9:48	.13	.0164	12:27 <sup>2</sup>	0	0	11:45 <sup>2</sup>	1.14	.144	4:04 <sup>2</sup>	0	0
9:53	.14	.0179	12:28 <sup>2</sup>	0	0	11:46 <sup>2</sup>	1.33	.168	4:05 <sup>2</sup>	0	0
9:57	.17	.0212	12:29 <sup>2</sup>	0	0	11:47 <sup>2</sup>	1.45	.183	4:06 <sup>2</sup>	0	0
10:00	.09	.0108	12:30 <sup>2</sup>	0	0	11:48 <sup>2</sup>	1.25	.158	4:07 <sup>2</sup>	0	0
10:03	.07	.0084	12:31 <sup>2</sup>	0	0	11:49 <sup>2</sup>	.88	.110	4:08 <sup>2</sup>	0	0
10:10	.08	.0096	12:32 <sup>2</sup>	0	0	11:50 <sup>2</sup>	.65	.0815	4:09 <sup>2</sup>	0	0
10:15	.07	.0084	12:33 <sup>2</sup>	0	0	11:51 <sup>2</sup>	.45	.0570	4:10 <sup>2</sup>	0	0
20 <sup>2</sup>	.04	.0052	12:34 <sup>2</sup>	0	0	11:52 <sup>2</sup>	.33	.0416	4:11 <sup>2</sup>	0	0
24 <sup>2</sup>	.03	.0034	12:35 <sup>2</sup>	0	0	11:53 <sup>2</sup>	.26	.0326	4:12 <sup>2</sup>	0	0
30 <sup>2</sup>	.02	.0019	12:36 <sup>2</sup>	0	0	11:54 <sup>2</sup>	.20	.0247	4:13 <sup>2</sup>	0	0
38 <sup>2</sup>	.01	.0008	12:37 <sup>2</sup>	0	0	11:55 <sup>2</sup>	.16	.0195	4:14 <sup>2</sup>	0	0
45 <sup>2</sup>	T	.0004	12:38 <sup>2</sup>	0	0	11:56 <sup>2</sup>	.13	.0164	4:15 <sup>2</sup>	0	0
55 <sup>2</sup>	0	0	12:39 <sup>2</sup>	0	0	11:57 <sup>2</sup>	.11	.0134	4:16 <sup>2</sup>	0	0

<sup>2</sup> Corrections for silt or ice conditions estimated and applied to observed gage height.

<sup>14</sup> Total rainfall for storm of May 23 and 24, 1.61 inches. Wheat 12 inches, clover and grass  $\frac{1}{4}$  inch high. Soil dry and loose.

<sup>15</sup> Total rainfall for storms of May 29, 0.26 inch and 0.20 inch, and May 30, 0.84 inch. Wheat 15 inches, clover and grass  $\frac{1}{2}$  inch, weeds 1 inch high. Soil dry and loose.

<sup>16</sup> Total rainfall for storm of June 8, 0.26 inch. Wheat 17 inches, clover and grass 1 inch, weeds 2 inches high. Soil dry and loose.

<sup>17</sup> Total rainfall for storms of June 10, 0.84 inch; June 11, 0.33 inch; and June 12, 0.24 inch and 0.35 inch. Wheat 23 inches, clover and grass  $1\frac{1}{2}$  inches, weeds 3 inches high. Soil dry and loose.



TABLE 35.—Run-off from watershed 192, 1940—Continued

June 10 17				June 11 17				June 13-17				June 18 18				June 19-22				June 23 18					
Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off		
<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>	<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>		<i>p. m.</i>	<i>Second-foot</i>	<i>Inches per hour</i>	<i>Inches</i>
1:45	3.22	0.406	0.2133	1:43	0.94	0.118	0.0540	June 13-17	0	0	0	3:53	10.5	1.32	0.0703	June 18 18	3:53	10.5	1.32	0.0703	June 19-22	0	0	0	
4:46	2.74	.346	.2197	4:44	.82	.103	.0558	June 18 18	0	0	0	4:00	11.2	1.41	.0934	4:00	11.2	1.41	.0934	4:00	11.2	1.41	.0934		
7:47	2.14	.270	.2249	7:45	1.11	.140	.0578	4:00	11.8	1.49	.1181	7:54	11.8	1.49	.1181	7:54	11.8	1.49	.1181	7:54	11.8	1.49	.1181		
10:48	1.49	.188	.2288	10:46	2.04	.257	.0598	4:00	12.8	1.61	.2471	10:02	12.8	1.61	.2471	10:02	12.8	1.61	.2471	10:02	12.8	1.61	.2471		
13:49	.88	.110	.2313	13:47	2.68	.338	.0648	4:00	12.0	1.51	.2292	10:04	12.0	1.51	.2292	10:04	12.0	1.51	.2292	10:04	12.0	1.51	.2292		
16:50	.54	.0686	.2328	16:49	2.98	.376	.0767	4:00	11.5	1.45	.2244	10:06	11.5	1.45	.2244	10:06	11.5	1.45	.2244	10:06	11.5	1.45	.2244		
19:51	.33	.0416	.2337	19:51	2.56	.323	.0883	4:00	10.5	1.32	.2176	10:08	10.5	1.32	.2176	10:08	10.5	1.32	.2176	10:08	10.5	1.32	.2176		
22:52	.21	.0266	.2343	22:53	1.84	.232	.0975	4:00	10.5	1.32	.2176	10:10	10.5	1.32	.2176	10:10	10.5	1.32	.2176	10:10	10.5	1.32	.2176		
25:53	.14	.0179	.2347	25:54	1.45	.183	.1009	4:00	10.5	1.32	.2176	10:12	10.5	1.32	.2176	10:12	10.5	1.32	.2176	10:12	10.5	1.32	.2176		
28:54	.12	.0149	.2350	28:55	1.04	.131	.1035	4:00	10.5	1.32	.2176	10:14	10.5	1.32	.2176	10:14	10.5	1.32	.2176	10:14	10.5	1.32	.2176		
31:55 2	.10	.0121	.2352	31:56	.73	.0918	.1054	4:00	10.5	1.32	.2176	10:16	10.5	1.32	.2176	10:16	10.5	1.32	.2176	10:16	10.5	1.32	.2176		
34:56 2	.08	.0096	.2354	34:57	.52	.0656	.1067	4:00	10.5	1.32	.2176	10:18	10.5	1.32	.2176	10:18	10.5	1.32	.2176	10:18	10.5	1.32	.2176		
37:58 2	.06	.0073	.2357	37:58	.41	.0516	.1077	4:00	10.5	1.32	.2176	10:20	10.5	1.32	.2176	10:20	10.5	1.32	.2176	10:20	10.5	1.32	.2176		
40:00 2	.04	.0052	.2359	40:59	.24	.0392	.1085	4:00	10.5	1.32	.2176	10:22	10.5	1.32	.2176	10:22	10.5	1.32	.2176	10:22	10.5	1.32	.2176		
43:03 2	.03	.0034	.2361	43:01	.18	.0230	.1091	4:00	10.5	1.32	.2176	10:24	10.5	1.32	.2176	10:24	10.5	1.32	.2176	10:24	10.5	1.32	.2176		
46:07 2	.02	.0019	.2363	46:03	.13	.0164	.1102	4:00	10.5	1.32	.2176	10:26	10.5	1.32	.2176	10:26	10.5	1.32	.2176	10:26	10.5	1.32	.2176		
49:08 2	.01	.0008	.2365	46:05	.11	.0134	.1107	4:00	10.5	1.32	.2176	10:28	10.5	1.32	.2176	10:28	10.5	1.32	.2176	10:28	10.5	1.32	.2176		
52:10 2	T	.0004	.2366	46:07	.09	.0108	.1111	4:00	10.5	1.32	.2176	10:30	10.5	1.32	.2176	10:30	10.5	1.32	.2176	10:30	10.5	1.32	.2176		
55:12 2	0	0	.2367	46:09	.07	.0084	.1114	4:00	10.5	1.32	.2176	10:32	10.5	1.32	.2176	10:32	10.5	1.32	.2176	10:32	10.5	1.32	.2176		
58:14 2	0	0	0	46:12	.05	.0062	.1118	4:00	10.5	1.32	.2176	10:34	10.5	1.32	.2176	10:34	10.5	1.32	.2176	10:34	10.5	1.32	.2176		
61:16 2	0	0	0	46:16	.03	.0042	.1122	4:00	10.5	1.32	.2176	10:36	10.5	1.32	.2176	10:36	10.5	1.32	.2176	10:36	10.5	1.32	.2176		
64:18 2	0	0	0	46:22	.02	.0026	.1125	4:00	10.5	1.32	.2176	10:38	10.5	1.32	.2176	10:38	10.5	1.32	.2176	10:38	10.5	1.32	.2176		
67:20 2	0	0	0	46:32	.01	.0013	.1128	4:00	10.5	1.32	.2176	10:40	10.5	1.32	.2176	10:40	10.5	1.32	.2176	10:40	10.5	1.32	.2176		
70:22 2	0	0	0	46:50	T	.0004	.1130	4:00	10.5	1.32	.2176	10:42	10.5	1.32	.2176	10:42	10.5	1.32	.2176	10:42	10.5	1.32	.2176		
73:24 2	0	0	0	46:55	0	0	.1130	4:00	10.5	1.32	.2176	10:44	10.5	1.32	.2176	10:44	10.5	1.32	.2176	10:44	10.5	1.32	.2176		
76:26 2	0	0	0	June 12 17				4:00	10.5	1.32	.2176	10:46	10.5	1.32	.2176	10:46	10.5	1.32	.2176	10:46	10.5	1.32	.2176		
79:28 2	0	0	0	a. m.				4:00	10.5	1.32	.2176	10:48	10.5	1.32	.2176	10:48	10.5	1.32	.2176	10:48	10.5	1.32	.2176		
82:30 2	0	0	0	11:50	0	0	0	4:00	10.5	1.32	.2176	10:50	10.5	1.32	.2176	10:50	10.5	1.32	.2176	10:50	10.5	1.32	.2176		
85:32 2	0	0	0	11:59	T	.0004	.0004	4:00	10.5	1.32	.2176	10:52	10.5	1.32	.2176	10:52	10.5	1.32	.2176	10:52	10.5	1.32	.2176		
88:34 2	0	0	0	12:00	.01	.0013	.0013	4:00	10.5	1.32	.2176	10:54	10.5	1.32	.2176	10:54	10.5	1.32	.2176	10:54	10.5	1.32	.2176		
91:36 2	0	0	0	p. m.				4:00	10.5	1.32	.2176	10:56	10.5	1.32	.2176	10:56	10.5	1.32	.2176	10:56	10.5	1.32	.2176		
94:38 2	0	0	0	12:01	.02	.0026	.0026	4:00	10.5	1.32	.2176	10:58	10.5	1.32	.2176	10:58	10.5	1.32	.2176	10:58	10.5	1.32	.2176		
97:40 2	0	0	0	12:02	.13	.0164	.0002	4:00	10.5	1.32	.2176	11:00	10.5	1.32	.2176	10:59	10.5	1.32	.2176	10:59	10.5	1.32	.2176		
100:42 2	0	0	0	12:03	.28	.0248	.0006	4:00	10.5	1.32	.2176	11:02	10.5	1.32	.2176	11:00	10.5	1.32	.2176	11:00	10.5	1.32	.2176		
103:44 2	0	0	0	12:04	1.11	.140	.0021	4:00	10.5	1.32	.2176	11:04	10.5	1.32	.2176	11:02	10.5	1.32	.2176	11:02	10.5	1.32	.2176		
106:46 2	0	0	0	12:05	1.94	.245	.0053	4:00	10.5	1.32	.2176	11:06	10.5	1.32	.2176	11:04	10.5	1.32	.2176	11:04	10.5	1.32	.2176		
109:48 2	0	0	0	12:06	2.56	.323	.0100	4:00	10.5	1.32	.2176	11:08	10.5	1.32	.2176	11:06	10.5	1.32	.2176	11:06	10.5	1.32	.2176		
112:50 2	0	0	0	12:08	3.04	.383	.0220	4:00	10.5	1.32	.2176	11:10	10.5	1.32	.2176	11:08	10.5	1.32	.2176	11:08	10.5	1.32	.2176		
115:52 2	0	0	0	12:10	2.56	.323	.0340	4:00	10.5	1.32	.2176	11:12	10.5	1.32	.2176	11:10	10.5	1.32	.2176	11:10	10.5	1.32	.2176		
118:54 2	0	0	0	12:12	1.84	.232	.0432	4:00	10.5	1.32	.2176	11:14	10.5	1.32	.2176	11:12	10.5	1.32	.2176	11:12	10.5	1.32	.2176		
121:56 2	0	0	0	12:13	1.41	.179	.0466	4:00	10.5	1.32	.2176	11:16	10.5	1.32	.2176	11:14	10.5	1.32	.2176	11:14	10.5	1.32	.2176		
124:58 2	0	0	0	12:14	1.11	.140	.0493	4:00	10.5	1.32	.2176	11:18	10.5	1.32	.2176	11:16	10.5	1.32	.2176	11:16	10.5	1.32	.2176		
127:00 2	0	0	0	12:15	.78	.0990	.0513	4:00	10.5	1.32	.2176	11:20	10.5	1.32	.2176	11:18	10.5	1.32	.2176	11:18	10.5	1.32	.2176		
130:02 2	0	0	0	12:16	.52	.0656	.0527	4:00	10.5	1.32	.2176	11:22	10.5	1.32	.2176	11:20	10.5	1.32	.2176	11:20	10.5	1.32	.2176		
133:04 2	0	0	0	12:18	.31	.0392	.0544	4:00	10.5	1.32	.2176	11:24	10.5	1.32	.2176	11:22	10.5	1.32	.2176	11:22	10.5	1.32	.2176		
136:06 2	0	0	0	12:20	.21	.0266	.0555	4:00	10.5	1.32	.2176	11:26	10.5	1.32	.2176	11:24	10.5	1.32	.2176	11:24	10.5	1.32	.2176		
139:08 2	0	0	0	12:22	.16	.0195	.0563	4:00	10.5	1.32	.2176	11:28	10.5	1.32	.2176	11:26	10.5	1.32	.2176	11:26	10.5	1.32	.2176		
142:10 2	0	0	0	12:25	.11	.0134	.0571	4:00	10.5	1.32	.2176	11:30	10.5	1.32	.2176	11:28	10.5	1.32	.2176	11:28	10.5	1.32	.2176		
145:12 2	0	0	0	12:29	.07	.0084	.0578	4:00	10.5	1.32	.2176	11:32	10.5	1.32	.2176	11:30	10.5	1.32	.2176	11:30	10.5	1.32	.2176		
148:14 2	0	0	0	12:32	.05	.0062	.0582	4:00	10.5	1.32	.2176	11:34	10.5	1.32	.2176	11:32	10.5	1.32	.2176	11:32	10.5	1.32	.2176		
151:16 2	0	0	0	12:35	.03	.0042	.0585	4:00	10.5	1.32	.2176	11:36	10.5	1.32	.2176	11:34	10.5	1.32	.2176	11:34	10.5	1.32	.2176		
154:18 2	0	0	0	12:42	.02	.0026	.0589	4:00	10.5	1.32	.2176	11:38	10.5	1.32	.2176	11:36	10.5	1.32	.2176	11:36	10.5	1.32	.2176		
157:20 2	0	0	0	12:50	.01	.0013	.0592	4:00	10.5	1.32	.2176	11:40	10.5	1.32	.2176	11:38	10.5	1.32	.2176	11:38	10.5	1.32	.2176		
160:22 2	0	0	0	1:00	.01	.0008	.0594	4:00	10.5	1.32	.2176	11:42	10.5	1.32	.2176	11:40	10.5	1.32	.2176	11:40	10.5	1.32	.2176		
163:24 2	0	0	0	1:07	T	.0004	.0595	4:00	10.5	1															

<sup>2</sup> Corrections for silt or ice conditions estimated and applied to observed gage heights.

<sup>17</sup> Total rainfall for storms of June 10, 0.84 inch; June 11, 0.33 inch; and June 12, 0.24 inch and 0.35 inch. Wheat 23 inches, clover and grass 1½ inches, weeds 3 inches high. Soil dry and loose.

<sup>15</sup> Total rainfall at gage 115 for storms of June 18, 0.59 inch and 0.93 inch. Wheat 30 inches, clover and grass 3 inches, weeds 4 inches high. Soil moist and soft.

<sup>19</sup> Total rainfall for storm of June 23, 0.84 inch. Wheat 32 inches, clover and grass 3½ inches, weeds 4 inches high. Soil moist and soft.



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches
June 26 <sup>20</sup>				July 1 <sup>22</sup>				July 22 <sup>24</sup>				July 24 <sup>26</sup>			
p. m.				a. m.				p. m.				p. m.			
6:19	0	0	0	12:46 <sup>2</sup>	0.02	0.0019		5:14	0	0	0	8:43	0	0	0
:20	.01	.0013		:47 <sup>2</sup>	.03	.0034		:17	T	.0004		:44	.31	.0392	.0003
:21	.03	.0042		:48 <sup>2</sup>	.04	.0052	0.0900	:22	.01	.0013	.0001	:45	1.11	.140	.0018
:22	.05	.0062	.0001	:49 <sup>2</sup>	.07	.0084	.0901	:23	.02	.0019		:46	2.45	.309	.0056
:23	.11	.0134	.0003	:50	.11	.0134	.0903	:24	.02	.0019		:47	3.04	.383	.0115
:24	.35	.0440	.0008	:51	.12	.0149	.0905	:26	.01	.0013	.0002	:48	3.29	.415	.0183
:25	.78	.0990	.0020	:52	.16	.0195	.0908	:33	.01	.0013	.0004	:49	3.22	.406	.0253
:26	.97	.122	.0039	:54	.18	.0230	.0915	:48	T	.0004	.0006	:52	2.45	.309	.0432
:27	.84	.106	.0058	:57	.18	.0230	.0927	:55	0	0	.0006	:53	1.94	.245	.0479
:28	.67	.0849	.0074	1:00	.16	.0195	.0938					:54	1.58	.199	.0517
:30	.43	.0542	.0097	:05 <sup>2</sup>	.11	.0134	.0952	July 23 <sup>25</sup>				:55	1.25	.158	.0547
:31	.31	.0392	.0105	:13 <sup>2</sup>	.07	.0084	.0966	p. m.				:56	.97	.122	.0571
:32	.28	.0348	.0111	:17 <sup>2</sup>	.05	.0062	.0971	12:22	0	0	0	:57	.73	.0918	.0589
:33	.18	.0230	.0116	:22 <sup>2</sup>	.03	.0042	.0975	:23	.05	.0062	.0001	:58	.57	.0718	.0603
:34	.14	.0179	.0119	:27 <sup>2</sup>	.02	.0026	.0978	:24	.13	.0164	.0003	:59	.43	.0542	.0614
:35	.11	.0134	.0122	:34 <sup>2</sup>	.01	.0013	.0980	:25	.43	.0542	.0009	9:00	.31	.0392	.0622
:37	.08	.0096	.0126	:45 <sup>2</sup>	T	.0004	.0982	:26	.67	.0849	.0021	:02	.21	.0266	.0633
:40	.05	.0062	.0130	2:00 <sup>2</sup>	0	0	.0983	:27	.91	.114	.0036	:04	.16	.0195	.0641
:42 <sup>2</sup>	.03	.0042	.0132					:28	1.14	.144	.0038	:06 <sup>2</sup>	.11	.0134	.0646
:45 <sup>2</sup>	.02	.0026	.0134	July 2-10	0	0	0	:29	1.22	.154	.0083	:09 <sup>2</sup>	.07	.0084	.0651
:50 <sup>2</sup>	.01	.0013	.0136	July 11 <sup>23</sup>				:33	.78	.0990	.0168	:10 <sup>2</sup>	.05	.0062	.0652
:58 <sup>2</sup>	T	.0004	.0137	p. m.				:34	.62	.0782	.0183	:13 <sup>2</sup>	.03	.0042	.0655
7:00 <sup>2</sup>	T	.0004		5:08	0	0	0	:35	.47	.0598	.0195	:15 <sup>2</sup>	.02	.0026	.0656
:10 <sup>2</sup>	0	0	.0137	:09	.03	.0042		:36	.35	.0440	.0204	:19 <sup>2</sup>	.01	.0013	.0657
June 27-29	( <sup>21</sup> )	( <sup>21</sup> )	( <sup>21</sup> )	:10	.07	.0084	.0001	:37	.28	.0348	.0211	:25 <sup>2</sup>	T	.0004	.0658
June 30 <sup>22</sup>				:11	.07	.0084	.0002	:38	.21	.0266	.0216	:38 <sup>2</sup>	0	0	.0655
p. m.				:12	.06	.0073	.0003	:40	.13	.0164	.0223	July 25	0	0	0
10:05	0	0	0	:13	.18	.0230	.0006	:42	.09	.0108	.0227	July 26 <sup>27</sup>			
:06	.03	.0034		:14	.24	.0305	.0011	:45	.05	.0062	.0231	p. m.			
:08	.07	.0084	.0002	:16	.18	.0230	.0020	:48	.03	.0042	.0234	7:17 <sup>2</sup>	0	0	0
:10	.07	.0084	.0005	:19	.13	.0164	.0030	:51 <sup>2</sup>	.02	.0026	.0236	T	.0004		
:13	.05	.0062	.0009	:21	.21	.0266	.0037	:57 <sup>2</sup>	.01	.0013	.0237	:20 <sup>2</sup>	.03	.0042	.0002
:19	.03	.0042	.0014	:22	.28	.0348	.0042	1:00 <sup>2</sup>	.01	.0013	.0238	:21 <sup>2</sup>	.16	.0195	.0006
:28	.03	.0042	.0020	:23	.31	.0392	.0048	:12 <sup>2</sup>	T	.0004	.0240	:22 <sup>2</sup>	.24	.0305	.0006
:31	.05	.0062	.0023	:24	.52	.0656	.0057	:25 <sup>2</sup>	0	0	.0240	:23	.78	.0990	.0017
:32	.07	.0084	.0024	:26	.43	.0542	.0077					:24	1.29	.163	.0039
:36	.09	.0108	.0030	:27	.31	.0392	.0085	5:05	0	0	0	:25	1.25	.158	.0066
:38	.14	.0179	.0035	:29	.26	.0326	.0097	:06	T	.0004		:26	.84	.106	.0110
:44	.13	.0164	.0052	:31	.39	.0489	.0110	:07	.01	.0008		:28	.65	.0815	.0126
:48	.18	.0230	.0065	:32	.57	.0718	.0120	:22	T	.0004	.0002	:29	.45	.0570	.0138
:50	.26	.0326	.0074	:34	.82	.103	.0149	:35	T			:30	.31	.0392	.0146
:52	.33	.0416	.0086	:35	.82	.103	.0167	:54	0	0	.0002	:31	.24	.0305	.0152
:55	.35	.0440	.0107	:40	.47	.0598	.0232					:32	.18	.0230	.0157
:58	.35	.0440	.0129	:42	.28	.0348	.0251	7:35	0	0	0	:33	.14	.0179	.0164
11:00	.31	.0392	.0142	:44	.18	.0230	.0261	:36	T	.0004		:35 <sup>2</sup>	.09	.0108	.0171
:03	.29	.0369	.0162	:46	.11	.0134	.0267	:37	.01	.0008		:38 <sup>2</sup>	.06	.0073	.0174
:05	.31	.0392	.0175	:49	.07	.0084	.0272	:38	.01	.0013		:40 <sup>2</sup>	.03	.0042	.0177
:08	.31	.0392	.0195	:52	.03	.0042	.0275	:40	.01	.0013		:43 <sup>2</sup>	.02	.0026	.0179
:11	.28	.0348	.0213	:55	.02	.0026	.0277	:41	.03	.0042	.0001	:46 <sup>2</sup>	.01	.0013	.0180
:15	.18	.0230	.0232	:59	.01	.0013	.0278	:42	.16	.0195	.0003	:50 <sup>2</sup>	T	.0004	.0181
:18	.31	.0392	.0248	6:00	.01	.0013	.0279	:43	.73	.0918	.0012	:57 <sup>2</sup>	.03	.0034	.0182
:19	.47	.0598	.0256	:10	T	.0004	.0279	:44	1.94	.245	.0041	:58 <sup>2</sup>	.08	.0096	.0182
:20	.67	.0849	.0268	:17	0	0		:45	3.69	.465	.0101	:59 <sup>2</sup>	.16	.0195	.0185
:21	.78	.0990	.0284	July 12-21	0	0	0	:46	5.57	.702	.0200	:01	.24	.0305	.0189
:23	.88	.110	.0318	July 22 <sup>24</sup>				:47	6.68	.842	.0321	:02	.43	.0542	.0196
:27	.78	.0990	.0388	p. m.				:48	7.90	.996	.0487	:03	.73	.0918	.0208
:33	.78	.0990	.0487	3:10	0	0	0	:49	8.56	1.08	.0654	:04	1.04	.131	.0227
:36	.73	.0918	.0535	:11	.05	.0062	.0001	:51	9.02	1.14	.1024	:05	1.11	.140	.0250
:43	.52	.0656	.0627	:12	.09	.0108	.0002	:52	8.56	1.08	.1209	:06	.97	.122	.0272
:45	.50	.0627	.0648	:13	.11	.0134	.0004	:54	7.27	.917	.1542	:08	.67	.0849	.0306
:48	.50	.0627	.0679	:14	.18	.0230	.0007	:56	5.92	.746	.1816	:09	.52	.0656	.0319
:50	.47	.0598	.0699	:15	.28	.0348	.0012	:58	4.27	.538	.2028	:10	.39	.0489	.0329
:53	.35	.0440	.0725	:16	.33	.0542	.0020	8:00	3.04	.383	.2180	:12 <sup>2</sup>	.24	.0305	.0342
:58	.28	.0348	.0758	:18	.50	.0627	.0039	:01	2.45	.309	.2239	:14 <sup>2</sup>	.17	.0212	.0351
12:00	.26	.0326	.0769	:21	.39	.0489	.0067	:02	1.75	.221	.2284	:16 <sup>2</sup>	.11	.0134	.0357
July 1 <sup>22</sup>				:24	.37	.0464	.0091	:03	1.18	.149	.2315	:19 <sup>2</sup>	.07	.0084	.0362
a. m.				:26	.29	.0369	.0105	:04	.73	.0918	.2335	:20 <sup>2</sup>	.05	.0062	.0363
12:05	.31	.0392	.0799	:29	.26	.0326	.0122	:05	.43	.0542	.2347	:22 <sup>2</sup>	.03	.0042	.0365
:10	.31	.0392	.0832	:32	.16	.0195	.0135	:06	.31	.0392	.2355	:25 <sup>2</sup>	.02	.0026	.0367
:15	.24	.0305	.0861	:35	.09	.0108	.0143	:07	.24	.0305	.2361	:26 <sup>2</sup>	.03	.0042	.0368
:18	.13	.0164	.0873	:38	.05	.0062	.0147	:08	.18	.0230	.2366	:27 <sup>2</sup>	.07	.0084	.0369
:23 <sup>2</sup>	.09	.0108	.0884	:40	.03	.0042	.0149	:10	.13	.0164	.2373	:28 <sup>2</sup>	.11	.0134	.0371
:28 <sup>2</sup>	.05	.0062	.0891	:43	.02	.0026	.0151	:12 <sup>2</sup>	.09	.0108	.2377	:29 <sup>2</sup>	.17	.0212	.0374
:32 <sup>2</sup>	.03	.0042	.0894	:47	.01	.0013	.0152	:15 <sup>2</sup>	.05	.0062	.2381	:30	.20	.0247	.0378
:35 <sup>2</sup>	.02	.0026	.0896	4:00	T	.0004	.0154	:18 <sup>2</sup>	.03	.0042	.2384	:31	.20	.0247	.0382
:41 <sup>2</sup>	.01	.0013	.0898	:05	T			:20 <sup>2</sup>	.02	.0026	.2386	:35	.16	.0195	.0397
:45 <sup>2</sup>	.01	.0008	.0899	:13	0	0	.0154	:24 <sup>2</sup>	.01	.0013	.2387	:39	.16	.0195	.0410
								:32 <sup>2</sup>	T	.0004	.2387	:42 <sup>2</sup>	.13	.0164	.0419
								:45 <sup>2</sup>	0	0	.2387	:47 <sup>2</sup>	.09	.0108	.0430
												:53 <sup>2</sup>	.05	.0062	.0439
												:57 <sup>2</sup>	.03	.0042	.0442

<sup>2</sup> Corrections for silt or ice conditions estimated and applied to observed gage heights.

<sup>20</sup> Total rainfall for storm of June 25, 0.10 inch. Wheat 32 inches, clover and grass 3½ inches, weeds 4 inches high. Soil moist and soft.

<sup>21</sup> No record because of instrument failure.

<sup>22</sup> Total rainfall for storm of June 30 and July 1, 0.76 inch. Wheat 35 inches, clover and grass 4 inches, weeds 4 inches high. Soil moist and loose.

<sup>23</sup> Total rainfall for storm of July 11, 0.60 inch. Wheat 35 inches, clover and grass 4 inches, weeds 4 inches high. Soil moist and loose.

<sup>24</sup> Total rainfall for storm of July 22, 0.84 inch. Clover 4 inches, grass 5 inches, weeds 6 inches high. Soil moist and soft.

<sup>25</sup> Total rainfall for storms of July 23, 0.24 inch and 0.71 inch. Clover 4 inches, grass 5 inches, weeds 6 inches high. Soil moist and soft.

<sup>26</sup> Total rainfall for storm of July 24, 0.35 inch. Clover 4 inches, grass 5 inches, weeds 6 inches high. Soil moist and soft.

<sup>27</sup> Total rainfall for storm of July 26, 0.49 inch. Clover 4 inches, grass 5 inches, weeds 6 inches high. Soil moist and soft.



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches		Second-feet	Inches per hour	Inches
July 26 <sup>27</sup>				Aug. 26 <sup>30</sup>				Aug. 27 <sup>31</sup>				Aug. 27 <sup>31</sup>			
p. m.				a. m.				a. m.				a. m.			
9:00 <sup>2</sup>	0.02	0.0026	0.0444	12:17	0.05	0.0062	0.0002	9:37	1.49	0.188	0.0283	6:48	0.09	0.0108	0.0114
:07 <sup>2</sup>	.01	.0013	.0446	:18	.78	.0980	.0011	:39	1.58	.199	.0347	:50	.08	.0096	.0117
:15 <sup>2</sup>	T	.0004	.0447	:19	1.58	.199	.0036	:41	1.49	.188	.0411	:56	.07	.0084	.0126
:30 <sup>2</sup>	0	0	.0448	:20	1.84	.232	.0072	:45	1.04	.131	.0518	7:00	.07	.0084	.0132
July 27—				:21	1.89	.238	.0112	:48	.73	.0918	.0574	:04	.07	.0084	.0138
Aug. 13	0	0	0	:22	1.84	.232	.0152	:50	.57	.0718	.0601	:10	.09	.0108	.0148
Aug. 14 <sup>28</sup>				:24	1.33	.168	.0218	:53	.43	.0542	.0633	:15	.11	.0134	.0158
p. m.				:26	.84	.106	.0263	:56	.57	.0718	.0665	:18	.11	.0134	.0176
2:02	0	0	0	:28	.47	.0598	.0290	:58	.67	.0849	.0691	:21	.13	.0164	.0183
:03	.28	.0348	.0003	:29	.35	.0440	.0299	10:00	.84	.106	.0722	:23	.18	.0230	.0190
:04	.78	.0990	.0014	:30	.28	.0348	.0306	:02	1.18	.149	.0764	:25	.23	.0285	.0199
:05	1.18	.149	.0035	:31	.21	.0266	.0311	:04	1.49	.188	.0819	:27	.23	.0285	.0208
:06	1.45	.183	.0063	:32	.16	.0195	.0315	:06	1.94	.245	.0890	:33	.18	.0230	.0234
:07	1.41	.179	.0093	:33	.11	.0134	.0318	:08	2.56	.323	.0984	:36	.16	.0195	.0245
:09	.91	.114	.0142	:35	.07	.0084	.0322	:10	3.16	.398	.1104	:38	.11	.0134	.0250
:10	.67	.0849	.0159	:36 <sup>2</sup>	.05	.0062	.0323	:12	3.42	.431	.1241	:40	.09	.0108	.0254
:11	.47	.0598	.0171	:38 <sup>2</sup>	.03	.0042	.0325	:14	3.42	.431	.1383	:43	.07	.0084	.0259
:12	.35	.0440	.0180	:40 <sup>2</sup>	.02	.0026	.0326	:15	3.29	.415	.1454	:45	.09	.0108	.0262
:13	.31	.0392	.0187	:44 <sup>2</sup>	.01	.0013	.0327	:20	2.68	.338	.1766	:48	.09	.0108	.0267
:16	.43	.0542	.0210	:51 <sup>2</sup>	T	.0004	.0328	:23	2.68	.338	.1935	:57	.07	.0084	.0281
:19	.31	.0392	.0233	1:00 <sup>2</sup>	T	0	0	:25	2.85	.359	.2050	8:00	.06	.0073	.0285
:21	.33	.0416	.0246	:25 <sup>2</sup>	0	0	0	:28	2.91	.367	.2232	:19	.04	.0052	.0305
:23 <sup>2</sup>	.21	.0266	.0257	Aug. 27 <sup>31</sup>				:33	2.98	.376	.2542	:23	.07	.0084	.0310
:25 <sup>2</sup>	.16	.0195	.0265	a. m.				:36	2.79	.352	.2724	:26	.07	.0084	.0314
:27 <sup>2</sup>	.11	.0134	.0270	12:47	0	0	0	:40	1.94	.245	.2924	:30	.06	.0073	.0319
:30 <sup>2</sup>	.07	.0084	.0279	:48	.03	.0042	.0003	:43	1.41	.179	.3030	:32	.08	.0096	.0322
:32 <sup>2</sup>	.11	.0134	.0279	:49	.21	.0266	.0003	:45	1.11	.140	.3083	:33	.09	.0108	.0324
:33 <sup>2</sup>	.16	.0195	.0282	:50	.39	.0489	.0009	:47	.78	.0990	.3122	:34	.16	.0195	.0327
:34	.18	.0230	.0286	:51	.52	.0656	.0019	:49	.52	.0656	.3149	:35	.31	.0392	.0332
:35	.18	.0230	.0290	:52	.73	.0918	.0032	:51 <sup>2</sup>	.35	.0440	.3167	:36	.57	.0718	.0341
:39	.16	.0195	.0304	:53	.76	.0953	.0048	:52 <sup>2</sup>	.28	.0348	.3174	:37	.84	.106	.0356
:40	.17	.0212	.0307	:55	.76	.0953	.0080	:54 <sup>2</sup>	.21	.0266	.3184	:38	1.18	.149	.0378
:42 <sup>2</sup>	.16	.0195	.0314	:56	.73	.0918	.0096	:56 <sup>2</sup>	.16	.0195	.3192	:39	1.66	.209	.0408
:47 <sup>2</sup>	.11	.0134	.0328	1:00	.47	.0598	.0147	:58 <sup>2</sup>	.11	.0134	.3197	:40	2.56	.323	.0453
:52 <sup>2</sup>	.07	.0084	.0337	:03	.31	.0392	.0172	11:00 <sup>2</sup>	.08	.0096	.3201	:41	3.97	.501	.0523
:55 <sup>2</sup>	.05	.0062	.0341	:05	.24	.0305	.0183	:03 <sup>2</sup>	.05	.0062	.3205	:43	5.14	.648	.0712
3:00 <sup>2</sup>	.03	.0042	.0345	:07	.18	.0230	.0192	:05 <sup>2</sup>	.03	.0042	.3207	:44	5.48	.691	.0824
:04 <sup>2</sup>	.02	.0026	.0347	:10	.13	.0164	.0202	:07 <sup>2</sup>	.03	.0042	.3208	:45	5.74	.724	.0944
:09 <sup>2</sup>	.01	.0013	.0349	:13	.09	.0108	.0213	:12 <sup>2</sup>	.11	.0134	.3214	:46	4.42	.557	.1496
:17 <sup>2</sup>	T	.0004	.0350	:15	.09	.0108	.0217	:14 <sup>2</sup>	.14	.0179	.3219	:50	3.97	.501	.1671
:30 <sup>2</sup>	0	0	.0350	:17	.11	.0134	.0217	:17 <sup>2</sup>	.11	.0134	.3227	:54	3.04	.383	.1817
Aug. 15—17	0	0	0	:25	.11	.0134	.0235	:20 <sup>2</sup>	.07	.0084	.3232	:56	2.45	.307	.1931
Aug. 18 <sup>29</sup>				:31	.07	.0084	.0246	:22 <sup>2</sup>	.05	.0062	.3234	:58	1.94	.245	.2022
p. m.				:32	.07	.0084	.0247	:24 <sup>2</sup>	.03	.0042	.3236	9:00	1.41	.179	.2092
6:07	0	0	0	:34	.11	.0134	.0251	:27 <sup>2</sup>	.02	.0026	.3238	:02	1.04	.131	.2143
:09	T	.0004	.0008	:36	.13	.0164	.0256	:31 <sup>2</sup>	.01	.0013	.3239	:04	.73	.0918	.2180
:10	.03	.0042	.0036	:39	.13	.0164	.0264	:36 <sup>2</sup>	T	.0004	.3240	:06	.47	.0598	.2205
:11	.67	.0849	.0088	:45	.09	.0108	.0278	:45 <sup>2</sup>	0	0	.3240	:09 <sup>2</sup>	.31	.0392	.2230
:12	1.94	.245	.0036	:51 <sup>2</sup>	.05	.0062	.0287					:11 <sup>2</sup>	.21	.0266	.2241
:13	3.04	.383	.0088	:55 <sup>2</sup>	.03	.0042	.0291	p. m.				:13 <sup>2</sup>	.16	.0195	.2248
:14	3.69	.465	.0160	:55 <sup>2</sup>	.02	.0026	.0294	2:27 <sup>2</sup>	0	0	0	:15 <sup>2</sup>	.11	.0134	.2253
:15	3.90	.492	.0241	:05 <sup>2</sup>	.01	.0013	.0296	:29 <sup>2</sup>	T	.0004	.0004	:18 <sup>2</sup>	.07	.0084	.2258
:16	3.69	.465	.0322	:14 <sup>2</sup>	0	0	.0297	:31 <sup>2</sup>	.01	.0013	.0013	:20 <sup>2</sup>	.05	.0062	.2260
:18	3.04	.383	.0462	:25 <sup>2</sup>	0	0	.0297	:33 <sup>2</sup>	.03	.0034	.0001	:22 <sup>2</sup>	.03	.0042	.2262
:20	1.94	.245	.0566				.0297	:35 <sup>2</sup>	.05	.0062	.0003	:25 <sup>2</sup>	.02	.0026	.2264
:22	1.33	.168	.0634	8:34 <sup>2</sup>	0	0	0	:37	.10	.0121	.0006	:30 <sup>2</sup>	.01	.0013	.2266
:23	1.22	.154	.0661	:35 <sup>2</sup>	.01	.0013	.0001	:44	.08	.0096	.0018	:35 <sup>2</sup>	T	.0004	.2267
:25	1.22	.154	.0712	:36 <sup>2</sup>	.02	.0026	.0001	:48	.06	.0073	.0024	:44 <sup>2</sup>	0	0	.2267
:27	.97	.122	.0758	:37	.03	.0042	.0002	:52	.04	.0052	.0028				
:29	.62	.0782	.0791	:38	.05	.0062	.0005	:57	.03	.0034	.0032	Aug. 28	0	0	0
:31	.39	.0489	.0812	:40	.08	.0096	.0007	3:00	.02	.0026	.0034	Aug. 29 <sup>32</sup>			
:33 <sup>2</sup>	.24	.0305	.0825	:41	.09	.0108	.0007	:07	.01	.0013	.0036	p. m.			
:34 <sup>2</sup>	.18	.0230	.0830	:44	.09	.0108	.0013	:16	0	.0004	.0037	3:21	0	0	0
:36 <sup>2</sup>	.13	.0164	.0837	:47	.07	.0084	.0018	:25	0	0	.0037	:22	.01	.0013	.0013
:38 <sup>2</sup>	.09	.0108	.0841	:50	.05	.0062	.0022	5:07	0	0	0	:23	.03	.0042	.0042
:41 <sup>2</sup>	.05	.0062	.0845	:53 <sup>2</sup>	.03	.0042	.0025	:10	T	.0004	.0004	:24	.09	.0108	.0001
:43 <sup>2</sup>	.02	.0026	.0847	:58 <sup>2</sup>	.02	.0026	.0028	:12	.01	.0013	.0001	:25	.16	.0195	.0004
:46 <sup>2</sup>	.02	.0026	.0849	9:00 <sup>2</sup>	.02	.0019	.0029	:13	.02	.0026	.0003	:26	.24	.0305	.0008
:49 <sup>2</sup>	.01	.0013	.0850	:05 <sup>2</sup>	.01	.0013	.0030	:15	.03	.0042	.0001	:29	.26	.0326	.0024
:55 <sup>2</sup>	T	.0004	.0851	:07 <sup>2</sup>	.02	.0026	.0031	:17	.05	.0062	.0003	:30	.43	.0542	.0031
7:00 <sup>2</sup>	0	0	.0851	:08 <sup>2</sup>	.03	.0042	.0032	:18	.07	.0084	.0004	:31	.62	.0782	.0042
Aug. 19—25	0	0	0	:09	.05	.0062	.0033	:39	.07	.0084	.0033	:32	.78	.0990	.0057
Aug. 26 <sup>30</sup>				:10	.07	.0084	.0034	:45	.06	.0073	.0041	:33	.91	.114	.0093
a. m.				:11	.11	.0134	.0036	:55	.05	.0062	.0052	:34	.97	.122	.0113
12:03	0	0	0	:13	.17	.0212	.0042	6:00	.05	.0062	.0057	:36	.97	.122	.0153
:12	T	T	0	:16	.17	.0212	.0053	:06	.05	.0062	.0063	:37	.91	.114	.0173
:14	T	.0004	.0004	:20	.14	.0179	.0066	:08	.06	.0073	.0065	:41	.57	.0718	.0236
:15	.01	.0013	.0013	:21	.14	.0179	.0069	:16	.06	.0073	.0074	:43	.39	.0489	.0256
:16	.03	.0042	.0001	:24	.21	.0266	.0080	:23	.05	.0062	.0082	:44	.24	.0305	.0263
				:26	.31	.0392	.0092	:27	.06	.0073	.0086	:46	.16	.0195	.0271
				:29	.50	.0627	.0116	:37	.06	.0073	.0098	:48	.11	.0134	.0276
				:31	.73	.0918	.0142	:41	.07	.0084	.0103	:50	.07	.0084	.0280
				:34	1.11	.140	.0200	:43	.08	.0096	.0106	:52	.05	.0062	.0282
				:36	1.41	.179	.0252	:45	.09	.0108	.0111	:55 <sup>2</sup>	.03	.0042	.0285

<sup>2</sup> Corrections for silt or ice conditions estimated and applied to observed gage heights.

<sup>27</sup> Total rainfall for storm of July 26, 0.49 inch. Clover 4 inches, grass 5 inches, weeds 6 inches high. Soil moist and soft.

<sup>28</sup> Total rainfall for storm of Aug. 14, 0.67 inch. Clover 5 inches, grass 6 inches, weeds 8 inches high. Soil dry and loose.

<sup>29</sup> Total rainfall for storm of Aug. 18,



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
Aug. 29 <sup>32</sup>	Second-feet	Inches per hour	Inches	Aug. 30 <sup>33</sup>	Second-feet	Inches per hour	Inches	Aug. 30 <sup>33</sup>	Second-feet	Inches per hour	Inches	Sept. 10 <sup>35</sup>	Second-feet	Inches per hour	Inches
p. m.				a. m.				p. m.				a. m.			
3:58 <sup>2</sup>	0.02	0.0026	0.0287	7:05	0.84	0.106	0.0354	1:44 <sup>2</sup>	T		0	1:44	0.01	0.0013	0.0001
4:00 <sup>2</sup>	0.02	0.0019	0.0288	7:07	.91	.114	.0389	4:7 <sup>2</sup>	T	.0004	.0001	:50	.02	.0026	.0003
4:04 <sup>2</sup>	.01	.0013	.0289	7:10	.94	.118	.0447	5:0 <sup>2</sup>	.01	.0013	.0003	:55	.03	.0042	.0006
4:13 <sup>2</sup>	T	.0004	.0290	7:16	.91	.114	.0563	5:2 <sup>2</sup>	.02	.0026	.0001	:57	.05	.0062	.0008
4:26 <sup>2</sup>	T	T		7:20	.78	.0996	.0636	5:52 <sup>2</sup>	.03	.0042	.0003	2:00	.07	.0084	.0012
4:28	.01	.0013		7:29	.52	.0656	.0760	5:56 <sup>2</sup>	.05	.0062	.0004	:05	.09	.0108	.0020
4:29	.03	.0042	.0291	7:36	.39	.0489	.0827	5:59 <sup>2</sup>	.08	.0096	.0008	:07	.10	.0121	.0024
4:30	.09	.0108	.0292	7:42	.28	.0348	.0869	2:00 <sup>2</sup>	.07	.0084	.0010	:13	.10	.0121	.0036
4:31	.14	.0179	.0293	7:46	.28	.0348	.0892	:02 <sup>2</sup>	.07	.0084	.0013	:15	.09	.0108	.0040
4:32	.14	.0179	.0296	7:54	.18	.0230	.0930	:05 <sup>2</sup>	.05	.0062	.0017	:23	.07	.0084	.0053
4:34	.11	.0134	.0301	7:59 <sup>2</sup>	.13	.0164	.0946	:07 <sup>2</sup>	.03	.0042	.0019	:29	.05	.0062	.0060
4:36	.07	.0084	.0305	8:00 <sup>2</sup>	.12	.0149	.0949	:09 <sup>2</sup>	.03	.0042	.0020	:37	.03	.0042	.0067
4:38	.05	.0062	.0307	8:03 <sup>2</sup>	.09	.0108	.0955	:11 <sup>2</sup>	.05	.0062	.0022	:50	.02	.0026	.0074
4:39 <sup>2</sup>	.03	.0042	.0308	8:05 <sup>2</sup>	.07	.0084	.0958	:13 <sup>2</sup>	.08	.0096	.0025	3:00	.02	.0019	.0078
4:42 <sup>2</sup>	.02	.0026	.0310	8:09 <sup>2</sup>	.07	.0084	.0964	:14 <sup>2</sup>	.08	.0096	.0027	:15	.01	.0013	.0082
4:45 <sup>2</sup>	.01	.0013	.0311	8:14 <sup>2</sup>	.11	.0134	.0973	:19 <sup>2</sup>	.05	.0062	.0034	4:00	.01	.0008	.0090
4:50 <sup>2</sup>	T	.0004	.0312	8:17 <sup>2</sup>	.13	.0164	.0980	:23 <sup>2</sup>	.03	.0042	.0037	:15	T	.0004	.0092
5:02 <sup>2</sup>	0	0	.0312	8:25 <sup>2</sup>	.09	.0108	.0998	:27 <sup>2</sup>	.02	.0026	.0039	:35	0	0	.0093
				8:34 <sup>2</sup>	.05	.0062	.1011	4:01 <sup>2</sup>	.01	.0013	.0040				
				8:39 <sup>2</sup>	.03	.0042	.1015	:03 <sup>2</sup>	T	.0004	.0041	Sept. 11-23	0	0	0
				8:47 <sup>2</sup>	.02	.0026	.1020	:44 <sup>2</sup>	0	0	.0041	Sept. 24 <sup>36</sup>			
5:13 <sup>2</sup>	0	0	0	9:00 <sup>2</sup>	.01	.0013	.1024	:02 <sup>2</sup>	0	0	0	p. m.			
5:14 <sup>2</sup>	T	.0026		9:10 <sup>2</sup>	.01	.0013	.1026	:03 <sup>2</sup>	.02	.0026	.0001	10:15	0	0	0
5:15 <sup>2</sup>	.01	.0013		9:12 <sup>2</sup>	.02	.0026	.1028	:05 <sup>2</sup>	.05	.0062	.0002	:19	T	.0004	
5:16 <sup>2</sup>	.03	.0042	.0001	9:22 <sup>2</sup>	.03	.0042	.1031	:07 <sup>2</sup>	.07	.0084	.0023	:21	.01	.0013	
5:17	.05	.0062	.0002	9:27 <sup>2</sup>	.05	.0062	.1035	:08	.08	.0096	.0026	:22	.02	.0026	
5:18	.07	.0084	.0003	9:35	.09	.0108	.1046	:21 <sup>2</sup>	.08	.0096	.0029	:23	.03	.0042	.0001
5:21	.07	.0084	.0007	9:37	.11	.0134	.1050	:25 <sup>2</sup>	.08	.0096	.0036	:24	.05	.0062	.0002
5:23	.05	.0062	.0012	9:41	.12	.0149	.1059	:30 <sup>2</sup>	.05	.0062	.0040	:25	.07	.0084	.0003
5:25	.05	.0062	.0014	9:49	.17	.0212	.1083	:35 <sup>2</sup>	.03	.0042	.0043	:26	.13	.0164	.0005
5:27	.07	.0084	.0016	9:52	.17	.0212	.1094	:40 <sup>2</sup>	.02	.0026	.0046	:27	.24	.0305	.0009
5:28	.08	.0096	.0018	10:00	.14	.0179	.1120	:45 <sup>2</sup>	.01	.0013	.0047	:28	.43	.0542	.0016
5:31	.12	.0149	.0024	10:01	.13	.0164	.1123	:48 <sup>2</sup>	.01	.0008	.0048	:29	.52	.0656	.0026
5:33	.13	.0164	.0029	10:04	.13	.0164	.1131	:53 <sup>2</sup>	.01	.0013	.0049	:30	.62	.0782	.0038
5:37	.23	.0285	.0044	10:06	.18	.0230	.1138	:56 <sup>2</sup>	.02	.0026	.0051	:31	.78	.0990	.0082
5:39	.23	.0285	.0053	10:08	.24	.0305	.1147	:58 <sup>2</sup>	.03	.0042	.0057	:35	.84	.106	.0116
5:44	.16	.0195	.0073	10:10	.26	.0326	.1157	5:00 <sup>2</sup>	.05	.0062	.0063	:37	.88	.110	.0152
5:47	.16	.0195	.0083	10:13	.26	.0326	.1173	:05 <sup>2</sup>	.06	.0073	.0066	:39	.84	.106	.0188
5:49	.18	.0230	.0090	10:18	.31	.0392	.1203	:10 <sup>2</sup>	.06	.0073	.0069	:45	.62	.0782	.0280
5:53	.18	.0230	.0105	10:24	.43	.0542	.1250	:13 <sup>2</sup>	.05	.0062	.0071	:50	.39	.0489	.0333
5:58	.13	.0164	.0121	10:27	.52	.0656	.1280	:16 <sup>2</sup>	.03	.0042	.0073	:54	.24	.0305	.0360
6:00	.12	.0149	.0126	10:30	.73	.0918	.1319	:20 <sup>2</sup>	.02	.0026	.0074	:58	.16	.0195	.0377
6:05	.09	.0108	.0137	10:33	.84	.106	.1368	:26 <sup>2</sup>	.01	.0013	.0074	11:00	.13	.0164	.0383
6:09	.07	.0084	.0143	10:36	.91	.114	.1423	:32 <sup>2</sup>	T	.0004	.0074	:05	.09	.0108	.0394
6:14 <sup>2</sup>	.05	.0062	.0149	10:39	.91	.114	.1480	:40 <sup>2</sup>	0	0	.0074	:08	.07	.0084	.0399
6:19 <sup>2</sup>	.03	.0042	.0153	10:41	.78	.0990	.1515	:50 <sup>2</sup>	T	T		:13	.05	.0062	.0405
6:25 <sup>2</sup>	.02	.0026	.0156	10:47	.52	.0656	.1599					:20	.03	.0042	.0411
6:36 <sup>2</sup>	.01	.0013	.0159	10:53	.35	.0440	.1654					:25	.02	.0026	.0414
6:37 <sup>2</sup>	.03	.0034		10:56	.28	.0348	.1674					12:00	.02	.0019	.0427
6:38 <sup>2</sup>	.07	.0084	.0160	11:00	.21	.0266	.1695	Aug. 31-Sept. 7	0	0	0				
6:39	.11	.0134	.0162	11:03	.16	.0195	.1707					Sept. 8 <sup>34</sup>			
6:40	.18	.0230	.0165	11:05	.16	.0195	.1713	a. m.				8:18	0	0	0
6:41	.21	.0266	.0169	11:07	.17	.0212	.1720	:19	.03	.0042	.0001	:20	.09	.0108	.0438
6:42	.23	.0285	.0174	11:09	.17	.0212	.1727	:21	.13	.0164	.0003	:22	.16	.0195	.0444
6:43	.23	.0285	.0179	11:15	.13	.0164	.1746	:25	.18	.0230	.0006	:26	.05	.0062	.0449
6:44	.21	.0266	.0184	11:23	.11	.0134	.1766	:28	.18	.0230	.0007	:31	.07	.0084	.0452
6:48	.18	.0230	.0200	11:30	.07	.0084	.1779	:31	.16	.0195	.0017	:37	.09	.0108	.0459
6:58	.18	.0230	.0238	11:35	.06	.0073	.1786	:36	.11	.0134	.0020	:40	.11	.0134	.0468
7:00	.17	.0212	.0245	11:40	.07	.0084	.1793	:41	.07	.0084	.0023	:43	.13	.0164	.0486
7:09	.13	.0164	.0273	11:45	.08	.0096	.1800	:45	.05	.0062	.0026	:50	.13	.0164	.0513
7:13 <sup>2</sup>	.09	.0108	.0282	11:50	.09	.0108	.1808	:50	.03	.0042	.0027	:55	.10	.0121	.0532
7:18 <sup>2</sup>	.05	.0062	.0289	11:57	.11	.0134	.1822	:54	.02	.0026	.0028	2:00	.11	.0134	.0557
7:21 <sup>2</sup>	.03	.0042	.0292	12:00	.11	.0134	.1829	:58	.01	.0013	.0029	:20	.09	.0108	.0599
7:25 <sup>2</sup>	.02	.0026	.0294									:25	.07	.0084	.0608
7:31 <sup>2</sup>	.01	.0013	.0296									:31	.05	.0062	.0624
7:37 <sup>2</sup>	T	.0004	.0297	p. m.								:37	.03	.0042	.0636
7:44 <sup>2</sup>	T	T		12:06	.07	.0084	.1840					:40	.02	.0026	.0649
7:58 <sup>2</sup>	0	0	.0297	12:10 <sup>2</sup>	.05	.0062	.1845					:45	.01	.0013	.0659
Aug. 30 <sup>33</sup>				12:15 <sup>2</sup>	.03	.0042	.1849					:50	.01	.0008	.0671
a. m.				12:18 <sup>2</sup>	.02	.0026	.1851					:55	T	.0084	.0674
6:09 <sup>2</sup>	0	0	0	12:25 <sup>2</sup>	.01	.0013	.1853					5:00	0	0	.0675
6:12 <sup>2</sup>	T	.0004		12:34 <sup>2</sup>	T	.0004	.1854								
6:15 <sup>2</sup>	.01	.0013		12:45 <sup>2</sup>	T	T									
6:17 <sup>2</sup>	.02	.0026	.0001	12:52 <sup>2</sup>	T	T									
6:19 <sup>2</sup>	.03	.0042	.0002	12:53 <sup>2</sup>	T	.0004									
6:21	.05	.0062	.0004	12:57 <sup>2</sup>	.01	.0013	.1855								
6:24	.09	.0108	.0008	12:59 <sup>2</sup>	.02	.0026	.1856								
6:26	.11	.0134	.0012	1:00 <sup>2</sup>	.03	.0034	.1857								
6:28	.11	.0134	.0016	1:03 <sup>2</sup>	.05	.0062	.1859								
6:33	.16	.0195	.0030	1:06 <sup>2</sup>	.07	.0084	.1863								
6:36	.21	.0266	.0042	1:11 <sup>2</sup>	.05	.0062	.1866								
6:41	.31	.0392	.0069	1:14 <sup>2</sup>	.03	.0042	.1870								
6:42	.35	.0440	.0076	1:18 <sup>2</sup>	.02	.0026	.1873								
6:49	.45	.0570	.0135	1:23 <sup>2</sup>	.01	.0013	.1877								
6:52	.47	.0598	.0169	1:31 <sup>2</sup>	T	.0004	.1878								
6:56	.62	.0782	.0215	1:38 <sup>2</sup>	T	T	.1878								
7:00	.76	.0953	.0273												

<sup>2</sup> Corrections for silt or ice conditions estimated and applied to observed gage height.

<sup>32</sup> Total rainfall for storm of Aug. 29, 0.66 inch. Clover 7 inches, grass 6½ inches, weeds 10 inches high. Soil dry and loose.

<sup>33</sup> Total rainfall for storm of Aug. 30, 1.24 inches. Clover 7 inches, grass 6½ inches



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Nov. 1 <sup>37</sup>				Nov. 5 <sup>38</sup>				Nov. 11 <sup>39</sup>				Nov. 26 <sup>41</sup>			
a. m.				p. m.				p. m.				p. m.			
8:54-----	0.09	0.0108	0.0004	12:11-----	0.07	0.0084	0.0011	6:40-----	0.03	0.0034	0.0753	7:25-----	0.13	0.0164	0.1571
:55-----	.16	.0195	.0007	:14-----	.09	.0108	.0016	:50-----	.03	.0034	.0759	:40-----	.14	.0179	.1614
:57-----	.21	.0266	.0015	:19-----	.09	.0108	.0025	7:00-----	.02	.0026	.0764	:50-----	.14	.0179	.1644
:59-----	.23	.0285	.0024	:32-----	.07	.0084	.0046	:30-----	.01	.0013	.0774	8:00-----	.11	.0134	.1670
9:00-----	.23	.0285	.0029	:55-----	.07	.0084	.0078	8:00-----	T	.0004	.0778	:11-----	.09	.0108	.1692
:03-----	.23	.0285	.0043	1:00-----	.08	.0096	.0086	9:00-----	0	0	.0780	:25-----	.07	.0084	.1714
:04-----	.21	.0266	.0048	:07-----	.07	.0084	.0097					:42-----	.05	.0062	.1735
:05-----	.16	.0195	.0063	:18-----	.06	.0073	.0111	Nov. 12-22-----	0	0	0	9:00-----	.04	.0052	.1752
:11-----	.13	.0164	.0072	:35-----	.06	.0073	.0132					10:40-----	.04	.0052	.1839
:15-----	.11	.0134	.0082	:52-----	.03	.0042	.0148	Nov. 23 <sup>40</sup>				11:00-----	.03	.0042	.1855
:20-----	.09	.0108	.0092	2:00-----	.02	.0019	.0152	p. m.				12:00-----	.03	.0034	.1893
:25-----	.07	.0084	.0100	:10-----	.02	.0026	.0156	4:39-----	0						
:34-----	.05	.0062	.0111	:45-----	.01	.0013	.0167	:45-----	T	.0004	.0001				
:55-----	.03	.0042	.0129	3:00-----	.01	.0013	.0170	5:00-----	T	.0004	.0005	a. m.			
10:00-----	.03	.0042	.0132	:45-----	T	.0004	.0177	6:00-----	T	.0004	.0005	1:00-----	.02	.0026	.1923
:15-----	.03	.0034	.0142	4:00-----	T	.0004	.0178	7:00-----	.01	.0005	.0011	2:00-----	.02	.0019	.1946
:20-----	.03	.0034	.0145	:30-----	0	0	.0179	8:00-----	.01	.0013	.0021	3:00-----	.01	.0013	.1962
:30-----	.03	.0042	.0151	Nov. 6-10-----	0	0	0	:30-----	.02	.0019	.0029	7:00-----	.01	.0013	.2014
:36-----	.05	.0062	.0156					9:00-----	.02	.0019	.0039	8:00-----	.01	.0008	.2025
:47-----	.07	.0084	.0169					10:00-----	.02	.0019	.0058	12:00-----	.01	.0008	.2057
11:00-----	.07	.0084	.0187	Nov. 11 <sup>39</sup>				:30-----	.02	.0019	.0068				
:02-----	.07	.0084	.0190	a. m.				11:00-----	.01	.0013	.0076	p. m.			
:08-----	.09	.0108	.0200	3:16-----	0	0	0	12:00-----	.01	.0008	.0086	7:23-----	.01	.0008	.2115
:12-----	.11	.0134	.0208	:19-----	T	.0004						:25-----	.01	.0013	
:18-----	.16	.0195	.0224	:21-----	.01	.0013		Nov. 24				:28-----	.02	.0026	.2116
:22-----	.18	.0230	.0238	:22-----	.02	.0026		a. m.	T	.0004	.0088	:33-----	.03	.0042	.2119
:30-----	.21	.0266	.0270	:23-----	.03	.0042	.0001	7:00-----	T	.0004	.0160	:38-----	.05	.0062	.2123
:32-----	.21	.0266	.0279	:25-----	.05	.0062	.0003	8:00-----	0	0	.0162	:48-----	.07	.0084	.2135
:40-----	.16	.0195	.0310	:28-----	.09	.0108	.0007					8:00-----	.07	.0084	.2152
:45-----	.14	.0179	.0326	:31-----	.13	.0164	.0014	p. m.				:03-----	.07	.0084	.2156
:50-----	.16	.0195	.0342	:34-----	.16	.0195	.0023	7:00-----	0	.0004	.0160	:09-----	.05	.0062	.2163
:53-----	.17	.0212	.0352	:37-----	.18	.0230	.0034	8:00-----	T	0	.0162	:14-----	.03	.0042	.2167
:56-----	.17	.0212	.0363	:50-----	.18	.0230	.0084	Nov. 25-----	0	0	0	:22-----	.02	.0026	.2172
12:00-----	.16	.0195	.0377	:56-----	.16	.0195	.0105					:40-----	.01	.0013	.2178
				4:00-----	.13	.0164	.0117	Nov. 26 <sup>41</sup>				9:00-----	.01	.0008	.2181
p. m.				:15-----	.09	.0108	.0151					10:00-----	T	.0004	.2187
12:06-----	.11	.0134	.0393	:30-----	.05	.0062	.0172	p. m.				:45-----	0	0	.2189
:18-----	.07	.0084	.0415	:45-----	.03	.0042	.0185	1:34-----	0	0	0				
:25-----	.05	.0062	.0424	:03-----	.03	.0042	.0196	:35-----	.02	.0026	.0001	Nov. 28-----	0	0	0
:34-----	.03	.0042	.0432	:18-----	.03	.0042	.0209	:36-----	.05	.0062	.0001	Dec. 6-----	0	0	0
:50-----	.02	.0026	.0441	:25-----	.04	.0052	.0214	:37-----	.09	.0108	.0002	Dec. 7 <sup>42</sup>			
1:00-----	.02	.0019	.0445	:35-----	.04	.0052	.0223	:38-----	.11	.0134	.0004	p. m.			
:20-----	.01	.0013	.0450	:45-----	.03	.0042	.0231	:41-----	.16	.0195	.0012	5:22-----	0	0	0
2:00-----	T	.0004	.0455	6:00-----	.02	.0026	.0240	:43-----	.18	.0230	.0019	:25-----	T	T	
:30-----	T	.0004	.0457	:30-----	.01	.0013	.0250	:47-----	.21	.0266	.0036	:35-----	T	.0004	
3:00-----	0	0	.0458	7:00-----	.01	.0013	.0257	:55-----	.31	.0392	.0080	:45-----	.01	.0008	.0001
				:10-----	.01	.0013	.0259	2:00-----	.39	.0489	.0117	6:00-----	.01	.0013	.0004
6:46-----	0	0	0	:22-----	.02	.0026	.0263	:05-----	.43	.0542	.0160	:10-----	.01	.0013	.0006
7:00-----	T	.0004		:28-----	.03	.0042	.0266	:10-----	.45	.0570	.0206	:20-----	.02	.0019	.0009
:03-----	.01	.0013	.0004	:32-----	.04	.0052	.0269	:25-----	.45	.0570	.0349	:30-----	.02	.0026	.0013
:05-----	.02	.0026	.0001	:04-----	.04	.0052	.0293	:37-----	.39	.0489	.0455	7:00-----	.02	.0019	.0024
:06-----	.03	.0042	.0002	:26-----	.05	.0062	.0316	:43-----	.39	.0489	.0504	:30-----	.01	.0013	.0032
:07-----	.05	.0062	.0003	:32-----	.07	.0084	.0323	:54-----	.52	.0656	.0609	8:00-----	.02	.0019	.0040
:08-----	.09	.0108	.0004	:35-----	.11	.0134	.0328	:58-----	.54	.0686	.0654	:30-----	.02	.0026	.0052
:10-----	.13	.0164	.0008	:39-----	.16	.0195	.0339	3:00-----	.54	.0686	.0677	9:00-----	.02	.0019	.0063
:12-----	.18	.0230	.0015	:41-----	.18	.0230	.0346	:03-----	.54	.0686	.0711	10:00-----	.01	.0013	.0079
:14-----	.21	.0260	.0023	:46-----	.21	.0266	.0367	:14-----	.43	.0542	.0823	11:00-----	.01	.0013	.0092
:17-----	.23	.0285	.0037	:49-----	.21	.0266	.0380	:20-----	.41	.0516	.0875	:15-----	.01	.0008	.0095
:22-----	.23	.0285	.0061	9:00-----	.16	.0195	.0422	:30-----	.41	.0516	.0961	12:00-----	T	.0004	.0100
:30-----	.16	.0195	.0093	:10-----	.11	.0134	.0450	:34-----	.39	.0489	.0995				
:40-----	.11	.0134	.0120	:15-----	.09	.0108	.0460	:42-----	.31	.0392	.1054	Dec. 8			
:53-----	.07	.0084	.0144	:25-----	.07	.0084	.0476	:50-----	.24	.0305	.1100	a. m.			
8:00-----	.05	.0062	.0153	:45-----	.05	.0062	.0500	4:00-----	.18	.0230	.1145	1:00-----	T	.0004	.0104
:08-----	.03	.0042	.0160	10:00-----	.03	.0042	.0513	:05-----	.16	.0195	.1163	:20-----	T	T	.0105
:20-----	.02	.0026	.0169	:30-----	.03	.0042	.0534	:15-----	.13	.0164	.1193	:45-----	0	0	.0105
:50-----	.01	.0013	.0179	:38-----	.05	.0062	.0541	:22-----	.13	.0164	.1212				
9:00-----	.01	.0013	.0181	:44-----	.07	.0084	.0548	:29-----	.16	.0195	.1233				
:25-----	T	.0004	.0184	:48-----	.09	.0108	.0554	:35-----	.17	.0212	.1253				
:50-----	0	0	.0185	:55-----	.13	.0164	.0570	:42-----	.17	.0212	.1278				
Nov. 2-4-----	0	0	0	11:00-----	.16	.0195	.0585	:46-----	.16	.0195	.1292	11:30-----	0	0	0
				:10-----	.16	.0195	.0618	:52-----	.13	.0164	.1310	:50-----	T	T	
Nov. 5 <sup>38</sup>				:25-----	.11	.0134	.0659	:59-----	.11	.0134	.1327	12:00-----	T	.0004	
a. m.				:42-----	.07	.0084	.0690	5:00-----	.11	.0134	.1329	p. m.			
10:43-----	0	0	0	:45-----	.07	.0084	.0694	:05-----	.09	.0108	.1339	12:17-----	.01	.0013	.0002
:45-----	T	0		:55-----	.05	.0062	.0706	:15-----	.07	.0084	.1355	:30-----	.02	.0026	.0006
11:25-----	T	0		12:00-----	.03	.0042	.0710	:30-----	.05	.0062	.1373	:33-----	.03	.0034	.0008
:45-----	T	0						:45-----	.04	.0052	.1387	:37-----	.02	.0026	.0010
:50-----	T	.0004	.0001	p. m.				6:00-----	.04	.0052	.1400	:41-----	.01	.0013	.0011
12:00-----	.01	.0013	.0002	12:30-----	.02	.0026	.0727	:15-----	.05	.0062	.1414	:44-----	.01	.0008	.0012
				1:00-----	.01	.0013	.0737	:33-----	.07	.0084	.1436	:51-----	T	.0004	.0013
p. m.				2:00-----	T	.0004	.0745	:38-----	.09	.0108	.1444	1:00-----	T	.0004	.0014
12:03-----	.02	.0026	.0003	:30-----	T	T	.0747	:42-----	.11	.0134	.1452	2:00-----	T	.0004	.0018
:06-----	.03	.0042	.0005	6:00-----	T	T		:47-----	.13	.0164	.1464	3:00-----	0	0	.0020
:08-----	.05	.0062	.0007	:20-----	T	.0004	.0748	:52-----	.14	.0179	.1478				
				:30-----	.01	.0013	.0750	7:00-----	.14	.0179	.1502	Dec. 9-11-----	0	0	0
				:35-----	.02	.0026	.0751	:05-----	.13	.0164	.1516				

<sup>37</sup> Total rainfall for storm of Nov. 1, 0.96 inch. Clover 6 inches, grass 4 inches, weeds 4 inches high. Soil moist and soft.

<sup>38</sup> Total rainfall for storm of Nov. 5, 0.26 inch. Clover 6 inches, grass 4 inches, weeds 4 inches high. Soil moist and soft.

<sup>39</sup> Total rainfall for storm of Nov. 11, 0.83 inch. Clover 6 inches, grass 4 inches, weeds 4 inches high. Soil moist and soft.

<sup>40</sup> Total rainfall for storms of Nov. 23 and 24, 0.29 inch, (gauge at meteorological station). Clover, grass, and weeds 3 inches high. Soil moist and soft.

<sup>41</sup> Total rainfall for storm of Nov. 26 and 27, 0.64 inch. Clover, grass, and weeds 3 inches high. Soil moist and soft.

<sup>42</sup> Total rainfall for storms of Dec. 7 and 8, 0.14 inch. Clover, grass, and weeds 2 inches high. Soil moist and soft.



TABLE 35.—Run-off from watershed 192, 1940—Continued

Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off	Date and time	Instantaneous rate of run-off		Accumulated run-off
	Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches		Second-foot	Inches per hour	Inches
Dec. 12 <sup>43</sup>				Dec. 16 <sup>45</sup>				Dec. 25 <sup>47</sup>				Dec. 28 <sup>49</sup>			
p. m.				a. m.				p. m.				p. m.			
1:02-----	0	0	0	1:16-----	0.05	0.0062	0.0008	12:08-----	0.01	0.0013	0.0002	7:47-----	0.18	0.0230	0.0413
:03-----	T	.0004		:21-----	.07	.0084	.0014	1:00-----	.01	.0013	.0013	:48-----	.28	.0348	.0418
:05-----	.01	.0008		:33-----	.09	.0108	.0033	4:30-----	.01	.0013	.0059	:49-----	.35	.0440	.0425
:20-----	.01	.0013	.0003	:40-----	.10	.0121	.0046	5:00-----	.01	.0008	.0064	:51-----	.47	.0598	.0442
:37-----	.01	.0013	.0007	:51-----	.10	.0121	.0068	:15-----	T	.0004	.0066	:54-----	.57	.0718	.0475
:46-----	.02	.0019	.0009	:57-----	.11	.0134	.0081	:36-----	0	0	.0067	:56-----	.59	.0749	.0499
2:00-----	.01	.0013	.0013	2:00-----	.12	.0149	.0088					:58-----	.59	.0749	.0524
:12-----	.01	.0013	.0017	:05-----	.13	.0164	.0101	Dec. 26-----	0	0	0	8:00-----	.57	.0718	.0548
:20-----	.02	.0026	.0020	:12-----	.16	.0195	.0122	Dec. 27 <sup>48</sup>				:10-----	.39	.0489	.0649
:31-----	.03	.0042	.0026	:17-----	.16	.0195	.0138	p. m.				:16-----	.31	.0392	.0693
:35-----	.05	.0062	.0029	:25-----	.13	.0164	.0162	4:16-----	0	0	0	:20-----	.28	.0348	.0718
:45-----	.05	.0062	.0039	:32-----	.12	.0149	.0180	:17-----	.01	.0004		:27-----	.26	.0326	.0757
3:00-----	.04	.0052	.0053	:42-----	.13	.0164	.0206	:19-----	.02	.0013	.0001	:32-----	.26	.0326	.0784
:15-----	.04	.0052	.0066	:47-----	.16	.0195	.0221	:23-----	.02	.0026	.0005	:40-----	.31	.0392	.0831
:27-----	.03	.0042	.0075	:53-----	.18	.0230	.0242	:30-----	.03	.0042	.0009	:47-----	.31	.0392	.0877
:43-----	.02	.0026	.0084	3:00-----	.18	.0230	.0269	:35-----	.05	.0062	.0013	9:00-----	.23	.0285	.0894
4:00-----	.02	.0026	.0091	:15-----	.20	.0247	.0329	:38-----	.07	.0084	.0018	:02-----	.21	.0266	.0903
:25-----	.02	.0026	.0102	:40-----	.16	.0195	.0421	:41-----	.09	.0108	.0018	:09-----	.17	.0212	.0931
5:00-----	.02	.0019	.0115	:57-----	.11	.0134	.0468	:45-----	.13	.0164	.0027	:15-----	.16	.0195	.0951
:10-----	.02	.0019	.0118	4:00-----	.11	.0134	.0475	:48-----	.18	.0230	.0037	:34-----	.16	.0195	.1013
:19-----	.02	.0026	.0121	:15-----	.09	.0108	.0505	:53-----	.24	.0305	.0059	:47-----	.11	.1034	.1049
:26-----	.03	.0042	.0125	:40-----	.07	.0084	.0545	5:00-----	.24	.0305	.0093	:57-----	.09	.0108	.1069
:29-----	.05	.0062	.0128	5:00-----	.05	.0062	.0569	:16-----	.18	.0230	.0164	10:00-----	.08	.0096	.1074
:32-----	.07	.0084	.0132	:45-----	.03	.0042	.0608	:24-----	.16	.0195	.0192	:07-----	.07	.0084	.1085
:37-----	.11	.0134	.0141	6:00-----	.02	.0026	.0617	:30-----	.14	.0179	.0211	:09-----	.07	.0084	.1088
:44-----	.16	.0195	.0160	:30-----	.02	.0026	.0630	:40-----	.13	.0164	.0240	:15-----	.08	.0096	.1097
:52-----	.18	.0230	.0188	7:15-----	.01	.0013	.0644	:48-----	.11	.0134	.0260	:18-----	.09	.0108	.1102
6:00-----	.18	.0230	.0219	8:05-----	T	.0004	.0651	:55-----	.09	.0108	.0274	:25-----	.13	.0164	.1118
:12-----	.16	.0195	.0261	9:00-----	0	0	.0653	6:00-----	.07	.0084	.0282	:29-----	.16	.0195	.1130
:31-----	.16	.0195	.0323					:20-----	.03	.0042	.0314	:35-----	.16	.0195	.1150
:45-----	.11	.0134	.0361	11:00-----	0	0	0	:40-----	.05	.0062	.0332	:49-----	.13	.0165	.1192
7:00-----	.07	.0084	.0388	:15-----	T	.0004	.0001	:55-----	.02	.0026	.0343	11:00-----	.11	.0134	.1219
:15-----	.05	.0062	.0393	12:00-----	T	.0004	.0004	7:00-----	.02	.0026	.0352	:20-----	.07	.0084	.1255
:38-----	.03	.0042	.0413					:28-----	.01	.0013	.0356	:40-----	.05	.0062	.1279
8:00-----	.02	.0026	.0425	p. m.				:55-----	T	.0004	.0357	12:00-----	.03	.0042	.1296
:45-----	.01	.0013	.0439	12:30-----	0	0	.0005	8:00-----	T	.0004					
9:00-----	.01	.0013	.0443					:15-----	0	0		Dec. 29			
10:00-----	.01	.0013	.0456	1:00-----	0	0	0	Dec. 28 <sup>49</sup>				a. m.			
11:00-----	T	.0004	.0464	:10-----	T	T	T	p. m.				1:00-----	.03	.0034	.1334
:45-----	0	0	.0466	:16-----	T	.0004	.0004	12:45-----	0	0	0	:30-----	.03	.0042	.1353
Dec. 13 <sup>44</sup>				:19-----	.01	.0013	.0002	:47-----	T	.0004		:45-----	.05	.0062	.1366
p. m.				:20-----	.02	.0026	.0002	:50-----	.01	.0013	.0001	2:00-----	.07	.0084	.1384
3:08-----	0	0	0	:24-----	.03	.0042	.0003	:53-----	.02	.0026	.0006	:25-----	.08	.0096	.1422
:20-----	T	T	T	:25-----	.08	.0096	.0005	:57-----	.03	.0042	.0008	:40-----	.09	.0108	.1448
4:15-----	T	T	T	:26-----	.11	.0134	.0008	1:00-----	.05	.0062	.0011	:55-----	.07	.0084	.1472
:35-----	T	.0004	.0001	:30-----	.16	.0195	.0021	:04-----	.06	.0073	.0019	3:00-----	.07	.0084	.1479
5:00-----	.01	.0008	.0004	:34-----	.24	.0305	.0041	:10-----	.07	.0084	.0032	:05-----	.07	.0084	.1486
:34-----	.01	.0013	.0010	:40-----	.18	.0230	.0068	:19-----	.07	.0084	.0032	:18-----	.09	.0108	.1507
:49-----	.02	.0026	.0015	:45-----	.16	.0195	.0086	:33-----	.05	.0062	.0049	:27-----	.10	.0121	.1524
6:00-----	.02	.0026	.0020	:52-----	.11	.0134	.0105	:47-----	.03	.0042	.0061	:37-----	.09	.0108	.1543
7:30-----	.02	.0026	.0059	2:06-----	.07	.0084	.0130	2:00-----	.03	.0034	.0069	:50-----	.07	.0084	.1564
8:00-----	.02	.0019	.0070	:15-----	.05	.0062	.0141	:07-----	.02	.0026	.0073	4:00-----	.06	.0073	.1578
12:00-----	.02	.0019	.0146	:30-----	.03	.0042	.0154	:40-----	.01	.0013	.0085	:05-----	.04	.0052	.1583
				:50-----	.02	.0026	.0165	3:00-----	.01	.0013	.0089	:30-----	.03	.0042	.1603
Dec. 14				3:20-----	.01	.0013	.0175	:15-----	.02	.0026	.0094	5:00-----	.03	.0034	.1622
a. m.				4:00-----	T	.0004	.0181	:20-----	.03	.0042	.0097	:30-----	.02	.0026	.1637
2:00-----	.02	.0019	.0184	:45-----	0	0	.0183	:28-----	.05	.0062	.0104	6:00-----	.02	.0019	.1649
3:00-----	.01	.0013	.0200	Dec. 17-----	0	0	0	:35-----	.06	.0073	.0112	7:00-----	.01	.0013	.1665
6:00-----	.01	.0013	.0239	Dec. 18 <sup>46</sup>				:45-----	.06	.0073	.0124	10:00-----	.01	.0013	.1704
:30-----	T	.0004	.0243	p. m.				:55-----	.05	.0062	.0135	:25-----	.02	.0026	.1712
:50-----	T	.0004	.0244	1:50-----	0	0	0	4:00-----	.04	.0052	.0140	:40-----	.03	.0042	.1721
7:00-----	.01	.0008	.0245	2:00-----	T	T	T	:10-----	.03	.0042	.0148	11:00-----	.04	.0052	.1737
:25-----	.01	.0013	.0249	:17-----	T	.0004	.0001	:31-----	.02	.0026	.0160	12:00-----	.03	.0042	.1784
8:00-----	.02	.0019	.0258	:47-----	.01	.0013	.0006	:55-----	.01	.0013	.0168				
:45-----	.02	.0026	.0275	3:00-----	.02	.0019	.0009	5:00-----	.03	.0042	.0170	p. m.			
9:00-----	.02	.0026	.0282	4:00-----	.02	.0026	.0031	:03-----	.05	.0062	.0173	1:00-----	.03	.0042	.1826
10:00-----	.03	.0034	.0312	:45-----	.03	.0042	.0057	:05-----	.07	.0084	.0175	2:00-----	.03	.0034	.1864
12:00-----	.03	.0034	.0375	5:00-----	.03	.0042	.0068	:08-----	.11	.0134	.0180	3:00-----	.02	.0026	.1894
				:25-----	.03	.0042	.0086	:11-----	.16	.0195	.0188	6:00-----	.02	.0026	.1972
Dec. 15-----	0	0	0	:35-----	.03	.0034	.0092	:13-----	.17	.0212	.0195	12:00-----	.02	.0019	.2110
Dec. 16 <sup>48</sup>				:47-----	.03	.0034	.0106	:20-----	.16	.0195	.0220				
a. m.				6:00-----	.03	.0034	.0136	:30-----	.17	.0212	.0254	Dec. 30			
2:52-----	0	0	0	7:00-----	.02	.0026	.0163	:40-----	.11	.0134	.0284	a. m.			
:57-----	T	.0004		8:00-----	.02	.0019	.0159	:48-----	.13	.0164	.0304	1:00-----	.01	.0013	.2126
1:00-----	.01	.0008		:10-----	.02	.0026	.0163	:57-----	.09	.0100	.0322	8:00-----	.01	.0008	.2196
:02-----	.01	.0013	.0002	:20-----	T	.0004	.0166	6:00-----	.08	.0096	.0327	12:00-----	.01	.0013	.2236
:07-----	.02	.0026	.0002	:30-----	0	0	.0166	:07-----	.07	.0084	.0338				
:13-----	.03	.0042	.0005	Dec. 19-24-----	0	0	0	:20-----	.05	.0062	.0354	p. m.			
				Dec. 25 <sup>47</sup>				:40-----	.03	.0042	.0371	2:00-----	.01	.0013	.2262
				a. m.				7:00-----	.03	.0034	.0384	11:00-----	T	.0004	.2343
				11:44-----	0	0	0	:13-----	.02	.0026	.0391	12:00-----	T	.0004	.2347
				:50-----	T	.0004		:37-----	.02	.0026	.0401				
				12:00-----	.01	.0008	.0001	:41-----	.03	.0042	.0403	Dec. 31			
								:43-----	.05	.0062	.0405	a. m.			
								:45-----	.09	.0108	.0408	3:00-----	0	0	.2353
								:46-----	.13	.0164	.0410				

<sup>43</sup> Total rainfall for storm of Dec. 12, 0.52 inch. Clover, grass, and weeds 2 inches high. Soil moist and soft.

<sup>44</sup> No rainfall for Dec. 13 and 14. Run-off due to melting snow and thawing soil. Clover, grass, and weeds 2 inches high. Soil moist and soft.

<sup>45</sup> Total rainfall for storms of Dec. 16, 0.51 inch and 0.13 inch. Clover, grass, and weeds 2 inches high. Soil moist and soft.

<sup>46</sup> No rainfall for Dec. 18. Run-off due to melting snow and thawing soil. Clover,

grass, and weeds 2 inches high. Soil moist and soft.

<sup>47</sup> Total rainfall for storm of Dec. 25, 0.15 inch. Clover, grass, and weeds 2 inches high. Soil moist and soft.

<sup>48</sup> Total rainfall for storm of Dec. 27, 0.33 inch. Clover, grass, and weeds 2 inches high. Soil moist and soft.

<sup>49</sup> Total rainfall for storms of Dec. 28, 29, 30, and



TABLE 36.—Rainfall at station 1 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 9-11-Con.			STORM OF FEB. 18-Con.			STORM OF MAR. 2-4-Con.			STORM OF APR. 3		
Jan. 14			Feb. 9			Feb. 18			Mar. 3			Apr. 3		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
6:10	0		12:30	0.02	0.02	9:00	0.06	0	12:07	0.74	0.09	11:30	0	
:20	.01	0.06	3:00	.02	0	10:00	.08	.02	:12	.74	0			
:38	.09	.25	4:00	.03	.01	:40	.09	.02	:20	.75	.08			
:40	.09	0	:07	.03	0	11:00	.09	0	:32	.78	.15			
:43	.10	.20	:12	.04	.12	:20	.10	.03	:40	.82	.30			
:52	.11	.07	6:05	.04	0	12:00	.12	.03	:50	.86	.24			
7:00	.13	.15	:30	.06	.05				1:00	.89	.18			
:04	.14	.15	:40	.06	0	p. m.			:06	.91	.20			
:20	.20	.23	7:00	.08	.06	12:20	.13	.03	:20	.94	.18			
:32	.24	.20	:10	.09	.06	:43	.15	.05	:37	.97	.11			
:37	.27	.36	:25	.10	.04	:53	.17	.12	:40	.97	0			
:40	.30	.60	9:00	.10	0	1:00	.18	.09	2:00	1.02	.15			
:43	.33	.60	:20	.11	.03	:20	.18	0	6:00	1.02	0			
8:00	.40	.24				:38	.21	.10	:40	1.03	.03			
:17	.45	.18	Feb. 10			:45	.22	.09	7:00	1.04	.03			
:20	.45	0	a. m.			2:00	.22	0	8:00	1.04	0			
:24	.47	.30	5:00	.11	0	:25	.23	.03	9:00	1.05	.01			
:33	.50	.20	6:30	.12	.01	:41	.25	.08						
:40	.52	.17	10:10	.12	0	3:00	.30	.16	p. m.					
:42	.53	.30	11:00	.14	.02	:25	.33	.07	12:20	1.05	0			
:55	.53	0	:20	.14	0	:47	.39	.16	:40	1.06	.03			
9:00	.54	.12	:30	.15	.06	:53	.41	.20	4:53	1.06	0			
:12	.55	.05	12:00	.16	.02	4:00 <sup>1</sup>	.43	.17	5:00	1.07	.09			
:20	.55	0				:20	.45	.06	:07	1.08	.09			
:27	.56	.09				:35	.47	.08	:20	1.16	.37			
:40	.58	.09	p. m.			5:00	.50	.07	:24	1.18	.30			
:45	.59	.12	1:00	.17	.01	:30	.53	.06	:29	1.20	.24			
10:00	.64	.20	:25	.17	0	6:00	.56	.06	:40	1.21	.05			
:12	.67	.15	:35	.18	.06	:30	.57	.02	6:00	1.21	0			
:20	.68	.08	3:35	.18	0	7:00	.59	.04	:03	1.22	.20			
:28	.70	.15	:40	.19	.12	8:00	.62	.06	:12	1.23	.07			
:40	.71	.05	:48	.20	.09	:30	.63	.02	:20	1.23	0			
11:00	.73	.06	:55	.24	.34	9:00	.63	0	:40	1.26	.09			
:10	.74	.06	4:00	.26	.24	10:00 <sup>2</sup>	.64	.01	7:00	1.29	.09			
			:09	.30	.26				:20	1.32	.09			
			:13	.33	.45	STORM OF MAR. 2-4			:33	1.34	.09			
			:20	.37	.34	Mar. 2			7:40	1.34	0			
			:33	.41	.18	a. m.			:50	1.35	.06			
			:40	.42	.09	7:10	0		9:14	1.35	0			
			:54	.44	.09	8:00	.01	0.01	:25	1.36	.06			
			5:00	.44	0	:15	.01	0	:35	1.38	.12			
			:05	.46	.24	9:00	.04	.04	:38	1.40	.40			
			:12	.47	.09	:12	.06	.10	:40	1.43	.90			
			:20	.48	.08	10:00	.11	.07	:41	1.45	1.20			
			:32	.50	.10	:33	.08	.06	:46	1.47	.24			
			:40	.52	.15	11:20	.16	.05	:50	1.48	.15			
			:43	.53	.20	:40	.17	.03	10:00	1.48	0			
			:50	.54	.29	:40	.17	.03	:15	1.50	.08			
			6:00	.56	.12	12:00	.18	.03	:32	1.50	0			
			:03	.57	.20				:43	1.51	.06			
			:11	.61	.30				11:00	1.51	0			
			:18	.64	.26				:07	1.52	.09			
			:20	.64	0				Mar. 4					
			:40	.68	.12				a. m.					
			:46	.70	.20				12:15	1.52	0			
			7:20	.70	0				:25	1.53	.06			
			:30	.72	.12				:45	1.54	.03			
			8:07	.72	0				1:00	1.54	0			
			:15	.73	.08				:30	1.55	.02			
			:20	.73	0				STORM OF MAR. 18					
			:40	.74	.03				Mar. 18					
			:45	.75	.12				p. m.					
			9:00	.76	.04				5:20	0				
			11:35 <sup>1</sup>	.76	0				:30	.01	0.06			
			:40	.77	.12				:33	.06	1.00			
			:54	.77	0				:35	.08	.60			
			12:00	.78	.10				:36	.13	3.00			
									:40	.21	1.20			
			Feb. 11						:44	.24	.45			
			a. m.						:50	.27	.30			
			12:07	.79	.0				:55	.29	.24			
			:11	.80	.15				:56	.31	1.20			
			:18	.84	.34				6:00	.34	.45			
			:20	.84	0				:05	.38	.48			
			:32	.89	.25				:10	.40	.24			
			:40	.90	.08				:20	.42	.12			
			:50 <sup>2</sup>	.91	.06				:25	.43	.12			
			STORM OF FEB. 18						:30	.46	.36			
			Feb. 18						:36	.47	.12			
			a. m.						:40	.47	0			
			6:00	0	0.01				:42	.48	.06			
			7:00	.01	0.01				:45	.48	0			
			:10	.02	.06				:48	.48	0			
			:30	.03	.03				:05	.49	.12			
			8:00	.03	0				STORM OF MAR. 30-31					
			:20	.04	.03				Mar. 30-31	0.73	(*)			
			:40	.04	0				STORM OF APR. 7-8					
			:50	.06	.12				Apr. 7					
			STORM OF FEB. 9-11						a. m.					
			Feb. 9						3:27	.28	0			
			a. m.						:28	.31	1.80			
			11:00	0	0.01				:30	.31	0			
			12:00	.01	0.01				:31	.32	.60			
			STORM OF FEB. 9-11						:34	.36	.80			
			Feb. 9						:39	.37	.12			
			a. m.						:40	.41	2.40			
			11:00	0	0.01				:42	.43	.60			
			12:00	.01	0.01				:45	.43	0			
			STORM OF FEB. 9-11						:47	.44	.30			
			Feb. 9						:50	.44	0			
			a. m.											
			11:00	0	0.01									
			12:00	.01	0.01									



TABLE 36.—*Rainfall at station 1 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 7-8—Con.			STORM OF APR. 11—Con.			STORM OF APR. 19-20—Con.			STORM OF APR. 19-20—Con.			STORM OF MAY 23-24		
Apr. 8			Apr. 11			Apr. 19			Apr. 20			May 23		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
3:56	0.45	0.10	6:30	0.56	0.20	4:53	0.28	0.12	5:35	1.57	0	1:00	0	0
:59	.46	.20	:34	.57	.15	5:00	.29	.09	:38	1.58	.20	:40	.01	0.02
4:00	.47	.60	:37	.58	.20	:20	.32	.09	:40	1.58	0	:50	.02	0.06
:05	.49	.24	:40	.58	0	:32	.33	.05	:50	1.59	.06	2:00	.02	0
:10	.50	.12	:50	.62	.24	:40	.35	.15	6:10	1.59	0	:15	.03	0.04
:20	.50	0	7:00	.65	.18	6:00	.38	.09	:15	1.60	.12	:25	.03	0
:23	.51	.20	:04	.66	.15	:09	.39	.07	:20	1.60	0	:40	.04	0.04
:28	.52	.12	:05	.66	0	:13	.39	0	:23	1.61	.20	:50	.05	0.06
:30	.52	0	:09	.67	.15	:14	.40	.60	:26	1.61	0	3:00	.05	0
6:53	.52	0	:10	.68	.60	:20	.41	.10	:38	1.62	.30	:10	.07	.12
:55	.53	.30	:15	.68	0	:40	.43	.06	:40	1.62	0	:25	.07	0
:09	.54	0	:20	.69	.12	:45	.43	0	:45	1.63	.12	:45	.09	0.06
:11	.55	.30	:25	.71	.24	:46	.44	.60	:50	1.63	0	4:00	.09	0
:15	.56	.15	:30	.73	.24	7:00	.46	.09	:54	1.64	.15	:12	.10	0.05
11:21	.56	0	:35	.74	.12	:05	.47	.12	:55	1.64	0	:45	.12	0.04
:24	.57	.20	:40	.75	.12	:16	.49	.11	7:00	1.65	.12	:54	.13	0.07
:25	.57	0	:45	.76	.12	:20	.50	.15	:05	1.66	.12	5:30	.13	0
:30	.58	.12	:50	.76	0	:24	.51	.15	:34	1.66	0	6:00	.14	0.02
:32	.59	.30	:54	.78	.30	:27	.52	.20	:35	1.67	.60	7:30	.14	0
			:55	.79	.60	:38	.52	0	:36	1.68	.60	8:00	.15	0.02
			8:00	.79	0	:39	.53	.60	:38	1.70	.60	9:20	.15	0
			:10	.80	.06	:40	.53	0	:40	1.71	.30	:50	.16	0.02
			:15	.81	.12	:50	.54	.06	8:10	1.72	.02	10:00	.16	0
			:20	.84	.36	8:00	.56	.12	:40	1.73	.02	11:00	.18	0.02
			:30	.86	.12	:10	.58	.12	9:00	1.73	0	:04	.18	0
			:40	.89	.18	:20	.60	.12	10:00	1.75	.02	:22	.20	0.07
			:50	.93	.24	:28	.63	.22	:46	1.77	.03	:52	.20	0
			:57	.95	.18	:30	.63	0	11:00	1.77	0	:57	.21	.12
			9:00	.95	0	:33	.65	.40	12:00	1.79	.02	12:00	.21	0
			:02	.96	.30	:40	.68	.26						
			:07	.97	.12	:44	.69	.15						
			:10	.98	.20	:50	.71	.20						
			:15	.99	.12	:52	.71	0						
			:20	1.00	.12	:53	.72	.60						
			:22	1.01	.30	9:00	.72	0						
			:30	1.02	.07	:02	.73	.30						
			:37	1.03	.30	:10	.76	.22						
			:40	1.04	.08	:14	.77	.15						
			:44	1.06	.30	:19	.77	0						
			:50	1.07	.10	:20	.78	.60						
			10:00	1.10	.18	:22	.79	.30						
			:10	1.11	.06	:25	.79	0						
			:13	1.13	.40	:30	.81	.24						
			:20	1.13	0	:35	.83	.24						
			:30	1.16	.18	:40	.83	0						
			:33	1.16	0	:50	.85	.12						
			:34	1.17	.60	10:00	.89	.24						
			:40	1.18	.10	:05	.91	.24						
			:50	1.18	0	:09	.92	.15						
			11:00	1.20	.12	:10	.92	0						
			:10	1.21	.06	:15	.94	.24						
			:20	1.22	.06	:20	.98	.48						
			:26	1.23	.10	:25	1.00	.24						
			:30	1.24	0	:30	1.03	.36						
			:50	1.25	.03	:35	1.06	.36						
						:40	1.09	.36						
						:45	1.12	.36						
						:50	1.14	.24						
						:55	1.16	.24						
						:59	1.18	.30						
						11:00	1.19	.60						
						:04	1.19	0						
						:05	1.20	.60						
						:10	1.24	.48						
						:15	1.28	.48						
						:19	1.30	.30						
						:20	1.32	1.20						
						:25	1.35	.36						
						:30	1.38	.36						
						:35	1.42	.48						
						:38	1.43	.20						
						:40	1.44	.30						
						:45	1.45	.12						
						:50	1.46	.12						
						:55	1.47	.12						
						12:00	1.48	.12						



TABLE 36.—Rainfall at station 1 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 23-24—Con.			STORM OF MAY 29-30—Con.			STORM OF JUNE 8—Con.			STORM OF JUNE 12—Con.			STORM OF JUNE 25—Con.		
May 24			May 30			June 8			June 12			June 25		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
9:20	1.32	0	2:08	0.62	0.10	3:50	0.32	0.30	9:07	0.28	1.65	2:41	0.05	1.20
36	1.36	.15	4:20	.62	0	4:22	.32	0	10:08	.29	.60	3:43	.05	0
40	1.36	0	4:40	.63	.03	4:24	.36	1.20	10:10	.30	.30	4:45	.07	.60
54	1.40	.17	4:49	.63	0	4:25	.37	.60	10:20	.31	.06	4:59	.08	.04
10:00	1.40	0	5:06	.64	.09	5:00	.38	.02				3:00	.11	1.80
10:07	1.42	.17	5:00	.64	0							3:03	.17	1.20
10:09	1.43	.30	5:20	.65	.03	STORM OF JUNE 9			STORM OF JUNE 18			3:10	.20	.26
12:20	1.44	.05	6:17	.65	0	June 9			June 18			3:20	.20	0
14:00	1.46	.06	6:20	.66	.20	a. m.			a. m.			3:30	.21	.06
14:45	1.46	0	6:23	.66	0	12:20	0		7:52	0		3:35	.22	.12
11:00	1.48	.08	6:34	.69	.16	12:34	.01	0.40	7:54	.03	0.90	4:00	.22	0
10:40	1.48	0	6:40	.69	0	14:00	.02	.10	8:00	.04	.10	4:01	.24	1.20
15:15	1.49	.05	6:50	.70	.06	14:07	.04	.09	8:05	.04	0	4:02	.26	1.20
17:17	1.50	.30	7:30	.70	0	15:00	.07	.60	8:10	.04	0	4:03	.33	4.20
20:20	1.50	0	7:35	.71	.12	1:00	.07	0	8:15	.04	.16	4:05	.42	2.70
22:40	1.54	.60	7:40	.71	0	1:10	.08	.06	8:20	.08	.10	4:09	.57	2.25
33:33	1.58	.26	7:50	.73	.12	1:20	.08	0	8:25	.10	.10	4:12	.74	3.40
40:40	1.58	0	8:00	.75	.12	1:25	.08	0	8:32	.10	0	4:16	.85	1.65
42:42	1.59	.30	8:12	.76	.05	1:30	.09	.66	8:40	.10	0	4:20	.86	.15
52:52	1.60	.06	8:25	.77	.12	1:32	.11	.60	8:45	.11	.12	5:00	.86	0
			8:40	.78	.04	1:34	.19	2.40	8:54	.13	.13	6:00	.87	.01
12:20	1.60	0	8:45	.78	0	1:36	.24	1.50	9:00	.15	.20	6:07	.87	0
12:28	1.61	.08	9:00	.80	.08	1:37	.41	10.20	9:05	.19	.17	6:10	.96	1.80
13:32	1.64	.45	9:20	.82	.06	1:40	.43	1.20	9:14	.22	.45	6:16	1.00	.40
35:35	1.66	.40	10:00	.82	0	1:40	.43	0	9:20	.22	0	6:36	1.00	0
40:40	1.68	.24	10:30	.83	.02	1:50	.44	.06	9:25	.25	.20	6:40	1.01	.15
52:52	1.68	0	11:00	.84	.02				9:40	.26	.05	6:46	1.03	.20
59:59	1.71	.26	11:30	.85	.02	STORM OF JUNE 10			10:25	.26	0	7:28	1.03	0
1:20	1.71	0				June 10			11:00	.27	.04	7:54	1.04	.02
35:35	1.72	.04	p. m.			1:05	0		11:05	.27	0	10:00	1.04	0
2:07	1.72	0	1:10	.85	0	1:10	.01	0.12	11:17	.28	.12	10:05	1.08	.48
10:10	1.73	.20	1:30	.87	.06	1:12	.02	.30	11:20	.30	.10	1:15	1.09	.06
14:14	1.75	.30	1:45	.87	0	1:14	.04	.60	11:30	.30	0			
19:19	1.79	.48	2:00	.88	.04	1:16	.08	1.20	11:40	.31	.60	STORM OF JUNE 23		
20:20	1.79	0	2:00	.88	.04	1:18	.14	1.80	11:45	.32	.03	June 23		
21:21	1.80	.60	2:00	.88	.04	1:19	.20	3.60	12:22	0		a. m.		
22:22	1.82	.15	2:00	.88	.04	1:20	.24	2.40	12:25	.06	1.20	8:00	0	
29:29	1.82	.15	2:00	.88	.04	1:22	.40	2.40	12:35	.07	.06	8:01	.08	4.80
35:35	1.83	.10	2:00	.88	.04	1:23	.50	1.50	12:36	.12	3.00	8:02	.18	6.00
			2:00	.88	.04	1:24	.53	.45	12:39	.30	10.80	8:04	.23	1.50
			2:00	.88	.04	1:25	.59	.90	12:40	.44	4.20	8:05	.25	.30
			2:00	.88	.04	1:26	.61	.80	12:42	.57	3.30	8:08	.28	.60
			2:00	.88	.04	1:27	.66	.75	12:44	.61	2.40	9:03	.28	0
			2:00	.88	.04	1:28	.75	.50	12:47	.66	3.00	9:04	.52	14.40
			2:00	.88	.04	1:29	.77	.60	12:50	.74	1.60	9:06	.59	2.10
			2:00	.88	.04	1:30	.77	.60	12:53	.77	.60	9:11	.62	.36
			2:00	.88	.04	1:31	.77	.60	12:54	.77	.60	9:15	.68	.90
			2:00	.88	.04	1:32	.77	.60	12:55	.77	.60	9:20	.68	0
			2:00	.88	.04	1:33	.77	.60	12:56	.77	.60	9:40	.69	.03
			2:00	.88	.04	1:34	.77	.60	12:57	.77	.60	9:50	.70	.06
			2:00	.88	.04	1:35	.77	.60	12:58	.77	.60	9:55	.70	0
			2:00	.88	.04	1:36	.77	.60	12:59	.77	.60	9:56	.80	6.00
			2:00	.88	.04	1:37	.77	.60	13:00	.77	.60	9:57	.81	.60
			2:00	.88	.04	1:38	.77	.60	13:01	.77	.60	10:00	.81	0
			2:00	.88	.04	1:39	.77	.60	13:02	.77	.60	10:03	.83	.40
			2:00	.88	.04	1:40	.77	.60	13:03	.77	.60	10:04	.84	.04
			2:00	.88	.04	1:41	.77	.60	13:04	.77	.60	10:05	.84	0
			2:00	.88	.04	1:42	.77	.60	13:05	.77	.60	10:06	.86	.12
			2:00	.88	.04	1:43	.77	.60	13:06	.77	.60			
			2:00	.88	.04	1:44	.77	.60	13:07	.77	.60	STORM OF JUNE 30-JULY 1		
			2:00	.88	.04	1:45	.77	.60	13:08	.77	.60	June 30		
			2:00	.88	.04	1:46	.77	.60	13:09	.77	.60	p. m.		
			2:00	.88	.04	1:47	.77	.60	13:10	.77	.60	3:15	0	
			2:00	.88	.04	1:48	.77	.60	13:11	.77	.60	3:20	.01	0.12
			2:00	.88	.04	1:49	.77	.60	13:12	.77	.60	3:25	.03	.03
			2:00	.88	.04	1:50	.77	.60	13:13	.77	.60	3:30	.04	.03
			2:00	.88	.04	1:51	.77	.60	13:14	.77	.60	3:35	.05	.02
			2:00	.88	.04	1:52	.77	.60	13:15	.77	.60	3:40	.05	0
			2:00	.88	.04	1:53	.77	.60	13:16	.77	.60	3:45	.07	.17
			2:00	.88	.04	1:54	.77	.60	13:17	.77	.60	3:50	.08	.30
			2:00	.88	.04	1:55	.77	.60	13:18	.77	.60	3:55	.09	.05
			2:00	.88	.04	1:56	.77	.60	13:19	.77	.60	4:00	.11	.24
			2:00	.88	.04	1:57	.77	.60	13:20	.77	.60	4:05	.13	.30
			2:00	.88	.04	1:58	.77	.60	13:21	.77	.60	4:10	.13	0
			2:00	.88	.04	1:59	.77	.60	13:22	.77	.60	4:15	.19	.51
			2:00	.88	.04	2:00	.77	.60	13:23	.77	.60	4:20	.19	0
			2:00	.88	.04	2:01	.77	.60	13:24	.77	.60	4:25	.21	.06
			2:00	.88	.04	2:02	.77	.60	13:25	.77	.60	4:30	.21	0
			2:00	.88	.04	2:03	.77	.60	13:26	.77	.60	4:35	.25	.34
			2:00	.88	.04	2:04	.77	.60	13:27	.77	.60	4:40	.25	0
			2:00	.88	.04	2:05	.77	.60	13:28	.77	.60	4:45	.26	.10
			2:00	.88	.04	2:06	.77	.60	13:29	.77	.60	4:50	.28	.24
			2:00	.88	.04	2:07	.77	.60	13:30	.77	.60			
			2:00	.88	.04	2:08	.77	.60	13:31	.77	.60	</		



TABLE 36.—Rainfall at station 1 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 30-JULY 1—Continued			STORM OF JULY 22—Con.			STORM OF JULY 26—Con.			STORM OF AUG. 25-26—Continued			STORM OF AUG. 27—Con.		
June 30			July 22			July 26			Aug. 26			Aug. 27		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
10:12.....	0.29	0.09	3:13.....	0.66	3.00	6:34.....	0.52	0	12:22.....	0.23	0.05	6:26.....	1.01	0.10
:20.....	.29	0	:15.....	.74	2.40	:35.....	.54	1.20	5:00.....	.23	0	:30.....	1.02	.15
:35.....	.36	.27	:17.....	.83	2.70	:38.....	.65	2.22	6:00.....	.24	.01	:36.....	1.05	.30
:40.....	.37	.12	:19.....	.84	.30	:40.....	.66	.30	:48.....	.24	0	:40.....	1.08	.45
:42.....	.37	0	:20.....	.91	4.20				7:00.....	.25	.05	:55.....	1.04	.24
:52.....	.42	.30	:22.....	1.02	3.30				:35.....	.25	0	:20.....	1.15	.12
11:00.....	.45	.22	:27.....	1.06	.48	STORM OF JULY 27			8:00.....	.27	.05	:29.....	1.24	.27
:05.....	.47	.24	:29.....	1.14	2.40							:34.....	1.26	.07
:18.....	.47	0	:30.....	1.15	.60							:34.....	1.26	.12
:20.....	.48	.30	:35.....	1.16	.12							8:00.....	1.26	0
:32.....	.52	.20	:45.....	1.16	0				STORM OF AUG. 27			:20.....	1.27	.03
:37.....	.53	.12	4:00.....	1.17	.04							:22.....	1.28	.30
:40.....	.54	.20	:19.....	1.17	0	July 27			Aug. 27			:25.....	1.37	1.80
:49.....	.58	.27	:20.....	1.18	.60	p. m.			a. m.			:29.....	1.39	.30
12:00.....	.59	.05	:24.....	1.21	.45	6:00.....	0		12:30.....	0		:33.....	1.56	2.55
			:30.....	1.23	.20	:01.....	.01	0.60	:34.....	.02	0.30	:40.....	1.60	.34
July 1			:55.....	1.27	0	:04.....	.11	2.00	:36.....	.04	.60	:52.....	1.62	.10
a. m.			5:00.....	1.27	.48	:05.....	.13	1.20	:40.....	.04	0	9:00.....	1.64	.15
12:18.....	.60	.03	:04.....	1.27	0	:06.....	.17	2.40	:47.....	.05	.09	:10.....	1.65	.06
:20.....	.61	.30	:07.....	1.35	1.60	:08.....	.22	1.50	:49.....	.06	.30	:16.....	1.66	.10
:25.....	.61	0	:10.....	1.39	.80	:10.....	.25	.90	:51.....	.09	.90			
:36.....	.63	.11	:15.....	1.44	.60	:15.....	.26	.12	:53.....	.16	2.10			
:37.....	.65	1.20	:20.....	1.44	0				:57.....	.20	.60			
:40.....	.67	.40	:30.....	1.45	.06				1:00.....	.21	.20			
:51.....	.69	.11							:05.....	.21	0			
1:00.....	.70	.07	STORM OF JULY 23						:11.....	.22	.10	Aug. 29		
:20.....	.71	.03				Aug. 18			:19.....	.23	.08	p. m.		
:25.....	.71	0				p. m.			:20.....	.27	2.40	3:28.....	0	
:40.....	.72	.04	July 23			3:10.....	0	1.08	:22.....	.34	2.10	:29.....	.04	2.40
:52.....	.73	.05	p. m.			:17.....	.10	.30	:24.....	.36	.60	:35.....	.10	.60
3:00.....	.73	0	12:17.....	0		:20.....	.10	0	:30.....	.38	.20	:40.....	.13	.45
:50.....	.74	.01	:19.....	.05	1.50	:25.....	.11	.12	:36.....	.38	0	:43.....	.15	.40
4:00.....	.74	0	:20.....	.10	3.00	:30.....	.12	.12	:40.....	.43	.75	:50.....	.16	.09
5:00.....	.75	.01	:22.....	.26	4.80	4:30.....	.12	0	:42.....	.44	.30	4:00.....	.17	.06
			:25.....	.43	3.40	5:00.....	.13	.02	:45.....	.45	.08	:10.....	.18	.06
STORM OF JULY 11			:27.....	.53	3.00	:54.....	.13	0	8:29.....	0		:32.....	.18	0
July 11			:29.....	.66	3.90	:56.....	.16	.90	:30.....	.01	.60	:34.....	.20	.60
p. m.			:30.....	.70	2.40	:57.....	.17	.60	:34.....	.05	.60	:40.....	.21	.10
2:58.....	0	0.60	:33.....	.78	1.60	:59.....	.25	2.40	:35.....	.07	1.20	5:20.....	.21	0
3:00.....	.02	0.60	:36.....	.79	.20	6:00.....	.26	.60	:40.....	.09	.24	:23.....	.27	1.20
:05.....	.05	.36	:40.....	.79	0	:02.....	.28	.60	:43.....	.10	.20	:31.....	.31	.30
:08.....	.13	1.60	:50.....	.80	.06	:03.....	.31	1.80	:50.....	.11	.09	:40.....	.35	.27
:10.....	.14	.30				:06.....	.35	.80	:52.....	.14	.90	:46.....	.38	.30
:11.....	.16	1.20	7:26.....	0		:07.....	.38	1.80	:58.....	.14	0	:57.....	.41	.16
:13.....	.26	3.00	:30.....	.01	.15	:09.....	.51	3.90	:52.....	.14	.90	6:00.....	.41	0
:15.....	.34	2.40	:36.....	.05	.40	:10.....	.53	1.20	:58.....	.14	0	:05.....	.42	.12
:17.....	.42	2.40	:37.....	.12	4.20	:11.....	.54	.60	9:00.....	.18	1.20	:20.....	.42	0
:19.....	.43	.30	:38.....	.20	4.80	:14.....	.63	1.80	:03.....	.22	.80	:26.....	.43	.10
:20.....	.43	0	:40.....	.24	1.20	:17.....	.72	1.80	:07.....	.25	.45	:40.....	.45	.09
:25.....	.44	.12	:42.....	.25	.30	:20.....	.78	1.20	:09.....	.30	1.50	:44.....	.46	.15
5:01.....	.44	0	:43.....	.27	1.20	:21.....	.81	1.80	:10.....	.31	.60	:47.....	.50	.80
:04.....	.51	1.40	:46.....	.28	.20	:27.....	.82	.10	:15.....	.32	.12	7:00.....	.53	.14
:05.....	.57	3.60	:50.....	.29	.15	:30.....	.95	2.60	:53.....	.32	0	:09.....	.55	.13
:07.....	.65	3.30	:55.....	.30	.12	:33.....	.97	.40	10:00.....	.33	.09	:14.....	.56	.12
:10.....	.75	1.40				:37.....	.97	0	:03.....	.39	1.20	:34.....	.56	0
:13.....	.79	.40	STORM OF JULY 24			:40.....	1.00	.60	:04.....	.44	3.00	:40.....	.57	.10
:15.....	.80	.30				:47.....	1.01	.09	:10.....	.56	1.20	:53.....	.58	.04
:20.....	.80	0	July 24			:50.....	1.03	.40	:12.....	.57	.30	11:00.....	.58	0
:26.....	.81	.10	p. m.			:57.....	1.04	.06	:20.....	.57	0	:50.....	.59	.01
:28.....	.83	.60	8:30.....	0		:29.....	1.04	0	:22.....	.58	.30	12:00.....	.59	0
:30.....	.83	0	:32.....	.01	0.30	:30.....	1.06	1.20	:25.....	.66	1.60			
:37.....	.86	.26	:35.....	.07	1.20				:36.....	.70	.22	Aug. 30		
:40.....	.87	.20	:37.....	.10	.90	STORM OF AUG. 25-26			:40.....	.70	0	a. m.		
:43.....	.87	0	:40.....	.11	.20				:45.....	.71	.12	12:45.....	.60	.01
:48.....	.88	.12	9:10.....	.11	0	Aug. 25			:55.....	.72	.06	1:30.....	.60	0
6:00.....	.88	0	:20.....	.12	.06	p. m.			:57.....	.74	.60	:50.....	.61	.03
:45.....	.89	.01	:40.....	.13	.03	6:30.....	0		11:10.....	.74	0	:62.....	.62	.06
:47.....	.90	.30	10:00.....	.13	0	7:00.....	.01	0.02	12:00.....	.75	.01	:10.....	.62	0
10:30.....	.90	0	:20.....	.14	.03	:25.....	.02	.02				:30.....	.63	.03
:33.....	.91	.20				:30.....	.04	.24				3:00.....	.64	.02
:37.....	.92	.15	STORM OF JULY 26			:35.....	.04	0				:25.....	.64	0
:41.....	.95	.45				:42.....	.05	.09				:35.....	.65	.06
:43.....	.96	.30	July 26			:50.....	.06	.08				4:10.....	.65	0
:50.....	.97	.09	p. m.			10:19.....	.06	0				:30.....	.66	.03
STORM OF JULY 22			5:20.....	0		:25.....	.08	.20				:37.....	.66	0
July 22			:26.....	.31	3.10	:45.....	.09	.03				:45.....	.67	.08
p. m.			:30.....	.32	.15	11:00.....	.09	0				5:00.....	.68	.04
2:59.....	0		:35.....	.36	.48	:07.....	.10	.09				:20.....	.68	0
3:00.....	.01	0.60	:40.....	.37	.12	:10.....	.14	.80				:40.....	.70	.06
:01.....	.08	4.20	:50.....	.39	.12	:13.....	.15	.20				:70.....	.70	0
:03.....	.20	3.60	:53.....	.41	.40	:20.....	.16	.09				:20.....	.71	.03
:04.....	.21	.60	:55.....	.45	1.20	:30.....	.16	0				:26.....	.72	.10
:06.....	.28	2.10	6:00.....	.50	.60	:34.....	.17	.15				:32.....	.76	.40
:07.....	.31	1.80	:05.....	.51	.12	:42.....	.18	.08				:34.....	.78	.60
:10.....	.51	4.00	:10.....	.51	0							:40.....	.84	.60
			:20.....	.52	.06	Aug. 26						:49.....	.92	.53
						a. m.						7:00.....	.99	.38
						12:05.....	.18	0				:03.....	1.02	.60
						:06.....	.19	.60				:20.....	1.09	.25
						:09.....	.22	.60				:25.....	1.12	.36
												:31.....	1.13	.10
												:34.....	1.18	1.00
												:40.....	1.24	.60



TABLE 36.—*Rainfall at station 1 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 29-30—Continued			STORM OF SEPT. 24-25—Continued			STORM OF NOV. 5—Con.			STORM OF NOV. 26-27—Continued			STORM OF DEC. 25-30—Continued		
Aug. 30			Sept. 25			Nov. 5			Nov. 27			Dec. 27		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
7:43	1.26	0.40	2:00	1.14	0.09	2:00	0.44	0.02	3:00	1.12	0	4:20	0.10	0.20
8:00	1.32	.21	3:09	1.15	.07	3:00	.45	.01	4:00	1.14	.02	4:30	.12	.12
9:20	1.35	.09	3:00	1.16	.01	4:00	.46	.01	5:00	1.15	.01	4:40	.16	.24
9:40	1.37	.06	4:00	1.17	.01	5:00	.47	.01	5:00			5:00	.22	.36
9:00	1.39	.06	5:00	1.18	.01	5:55	.49	.24	5:00			5:00	.26	.24
9:07	1.41	.17	STORM OF OCT. 29			5:00	.56	.84	STORM OF DEC. 12			5:00	.30	.12
9:20	1.41	0	Oct. 29			STORM OF NOV. 11-12			Dec. 12			5:00	.32	.05
9:40	1.43	.06	p. m.			Nov. 11			a. m.			6:00	.34	.06
9:54	1.45	.07	2:22	0		11:46	0		6:00	0	0.02	6:00	.36	.02
10:00	1.46	.10	3:36	.04	0.17	12:00	.06	0.26	7:00	.04	.02	7:00	.36	.02
10:20	1.53	.21	3:00	.06	.05	Nov. 12			8:00	.06	.02	7:00	.36	.02
10:30	1.55	.12	3:26	.08	.05	a. m.			9:00	.07	.01	8:00	.37	.01
10:40	1.57	.40	3:35	.10	.13	12:08	.10	.30	10:00	.08	.01	9:00	.38	.01
11:00	1.64	.06	4:00	.11	.02	1:18	.12	.12	11:00	.09	.01	10:00	.40	.02
11:20	1.66	.06	4:58	.11	0	1:00	.14	.03	12:00	.11	.02	11:00	.42	.02
11:40	1.67	.08	5:00	.16	1.50	2:00	.15	.01	Dec. 28			12:00	.43	.01
11:50	1.68	.15	5:08	.24	.60	3:00	.16	.01	a. m.			1:00	.43	0
12:00	1.69	.12	5:16	.26	.15	3:50	.16	.01	2:00			2:00	.43	0
12:07	1.73	.16	5:19	.30	.80	4:00	.21	.30	3:00			3:00	.44	.01
p. m.			5:34	.31	.04	4:50	.23	.09	4:00			4:00	.44	0
12:07	1.74	.09	5:44	.34	.18	5:00	.24	.33	p. m.			6:00	0	
12:35	1.74	0	5:58	.36	.09	5:10	.23	.09	6:00	.16	.11	6:00	.03	.05
12:55	1.76	.06	6:00	.37	.30	5:34	.34	.33	7:00	.18	.08	7:00	.05	.06
4:10	1.76	0	6:53	.38	.01	4:00	.40	.14	7:00	.28	.12	7:00	.09	.12
4:25	1.77	.04	STORM OF NOV. 1			4:11	.42	.11	8:00	.30	.20	8:00	.10	.02
4:32	1.78	.09	Nov. 1			4:45	.43	.02	9:00	.31	.03	9:00	.10	0
4:52	1.78	0	a. m.			5:00	.45	.08	9:00	.32	.15	9:00	.14	.08
5:00	1.79	.08	6:12	0		6:00	.46	.01	9:00	.33	.03	9:00	.15	.06
5:30	1.80	.02	7:00	.02	0.03	6:22	.47	.03	10:00	.34	.06	10:00	.16	.03

<sup>3</sup> No intensity record.



TABLE 37.—*Rainfall at station 7 for selected storms, 1940*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 9-11—Con.			STORM OF FEB. 18—Con.			STORM OF MAR. 2-4—Con.			STORM OF MAR. 30—Con.		
Jan. 14			Feb. 9			Feb. 18			Mar. 3			Mar. 30		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:16	0	0.15	4:10	0.05	0.12	1:50	0.26	0.06	7:00	1.29	0.12	2:30	0.66	0.04
:20	.01	.36	6:00	.05	0	2:00	.26	0	:15	1.31	.08	:45	.68	.08
:25	.04	.24	:30	.07	.04	:20	.29	.09	:30	1.33	.08	3:00	.72	.16
:30	.06	.24	7:00	.09	.04	:40	.33	.12	:45	1.34	.04	:15	.75	.12
:35	.09	.36	:30	.11	.04	3:00	.37	.12	9:30	1.34	0	:30	.78	.12
:40	.10	.12	9:00	.11	0	:20	.41	.12	:35	1.38	.48	:45	.80	.08
:45	.11	.12	:20	.14	.09	:40	.46	.15	:40	1.42	.48	4:00	.81	.04
:50	.12	.12	:40	.15	.03	:50	.48	.12	:45	1.44	.24	:30	.82	.02
:55	.13	.12				4:00	.49	.06	10:00	1.46	.08			
7:00	.14	.12	Feb. 10			:10	.50	.06	:15	1.47	.04			
:05	.16	.24	<i>a. m.</i>			:20	.52	.12	:30	1.48	.04			
:10	.18	.24	6:00	.15	0	:30	.54	.12	11:00	1.48	0			
:20	.22	.24	:30	.16	.02	:40	.55	.06	:30	1.50	.04			
:30	.25	.18	7:00	.17	.02	5:00	.60	.15						
:35	.28	.36	:30	.18	.02	:20	.66	.18						
:40	.33	.60	10:00	.18	0	:40	.69	.09						
:42	.35	.60	11:00	.19	.01	6:00	.74	.15						
:45	.37	.40	12:00	.21	.02	:20	.80	.18						
:50	.39	.24												
8:00	.44	.30												
:10	.48	.24	<i>p. m.</i>											
:20	.51	.18	1:00	.22	.01									
:30	.56	.30	:30	.23	.02									
:40	.59	.18	2:00	.25	.04									
:50	.60	.06	3:45	.25	0									
9:00	.61	.06	:50	.26	.12									
:10	.62	.06	:55	.29	.36									
:20	.63	.06	4:00	.30	.12									
:30	.64	.06	:05	.32	.24									
:40	.66	.12	:10	.35	.36									
:50	.70	.24	:15	.38	.36									
10:00	.74	.24	:20	.39	.12									
:20	.79	.15	:30	.43	.24									
:40	.82	.09	:40	.46	.18									
11:00	.84	.06	:50	.47	.06									
			5:00	.48	.06									
<i>p. m.</i>			:20	.50	.06									



TABLE 37.—Rainfall at station 7 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 11—Con.			STORM OF APR. 11—Con.			STORM OF APR. 19—20—Con.			STORM OF MAY 19—Con.			STORM OF MAY 23—24—Con.		
Apr. 11			Apr. 11			Apr. 19			May 19			May 24		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
1:00	0.02	0.06	10:10	1.19	0	10:23	0.99	0.20	2:32	0.03	0.30	9:50	1.31	0.12
:10	.03	.06	:14	1.20	.15	:30	1.04	.43	:46	.03	0	10:00	1.33	.12
:20	.05	.12	:20	1.21	.10	:33	1.05	.20	:48	.08	1.50	:10	1.35	.12
:30	.06	.06	:28	1.22	.07	:37	1.07	.30	:50	.13	1.50	:20	1.36	.06
:40	.07	.06	:30	1.22	0	:40	1.08	.20	:52	.15	.60	:40	1.36	0
:50	.09	.12	:37	1.23	.09	:50	1.14	.36	:55	.15	0	:50	1.38	.12
2:00	.10	.06	:40	1.23	0	:52	1.16	.60	:58	.15	0	11:00	1.39	.06
:10	.11	.06	:44	1.24	.15	11:00	1.18	.15	3:00	.16	.30	:10	1.40	.06
:20	.12	.06	:50	1.24	0	:03	1.19	.20	:08	.16	0	:15	1.40	0
:30	.13	.06	:54	1.25	.15	:06	1.21	.40	:10	.17	.30	:19	1.41	.15
:34	.14	.15	11:00	1.26	.10	:09	1.22	.20	:15	.18	.12	:20	1.42	.60
:37	.15	.20	:13	1.26	.05	:10	1.24	1.20				:22	1.45	.90
:40	.15	0	:20	1.27	.09	:20	1.32	.48				:25	1.46	.20
:42	.16	.30	:32	1.29	.05	:23	1.33	.20				:30	1.48	.24
:50	.19	.22				:27	1.36	.45	STORM OF MAY 23—24			:40	1.51	.18
:54	.20	.15				:29	1.37	.30	May 23			:50	1.56	.30
3:00	.22	.20	STORM OF APR. 19—20			:30	1.38	.60	p. m.			12:00	1.60	.24
:10	.27	.30	Apr. 19			:34	1.41	.45	2:00	0		12:10	1.61	.06
:20	.30	.18	a. m.			:36	1.42	.30	:30	.02	0.04	:20	1.62	.06
:22	.31	.30	10:58	0	0.07	:38	1.43	.30	3:00	.03	.02	1:20	1.62	0
:30	.34	.22	11:06	.01	.02	:40	1.44	.30	:30	.05	.04	:30	1.63	.06
:34	.36	.30	:30	.02	.03	:44	1.45	.15	:40	.07	.04	:40	1.65	.12
:40	.37	.10	:48	.03	.02	:50	1.46	.10	:50	.08	.02	:50	1.66	.06
:50	.39	.12	12:00	.05	.10	:58	1.47	.07	5:00	.09	.02	:58	1.66	0
:55	.40	.15				12:00	1.48	.30	:30	.10	.02	2:00	1.69	.90
4:00	.41	.10	p. m.						:40	.11	.06	:02	1.72	.90
:08	.43	.15	12:18	.09	.13	Apr. 20			7:30	.10	0	:05	1.73	.20
:10	.44	.30	:20	.10	.30	12:20	1.49	.03	:40	.11	.06	:10	1.75	.24
:20	.45	.06	:30	.11	.06	1:00	1.49	0	9:30	.11	0	:20	1.76	.06
:30	.45	0	:40	.13	.12	:14	1.50	.04	10:00	.12	.02			
:40	.46	.06	:50	.15	.06	:54	1.51	.02	:30	.13	.02			
:46	.47	.10	1:00	.17	.06	5:04	1.51	0	11:00	.13	0			
:50	.48	.15	:20	.18	.06	:09	1.52	.12	:30	.14	.02			
5:00	.49	.06	:30	.19	.10	:10	1.53	.60	12:00	.15	.02			
:08	.50	.07	:40	.19	0	:15	1.54	.12						
:10	.50	0	:45	.20	.12	:20	1.54	0						
:16	.52	.20	:56	.21	.07	:30	1.56	.12	May 24					
:20	.53	.15	2:16	.21	0	:37	1.57	.09	a. m.			May 29		
:27	.54	.09	:18	.22	.30	:45	1.58	.07	12:30	.16	.02	p. m.		
:30	.54	0	3:00	.23	.01	6:10	1.59	.02	:45	.16	0	4:53	0	0.90
:32	.55	.30	:02	.24	.30	:17	1.60	.09	:50	.17	.12	5:02	.03	0
:40	.55	0	:16	.25	.04	:20	1.60	0	1:00	.19	.12	:05	.04	.20
:50	.56	.06	:46	.26	.02	:40	1.62	.06	:10	.19	0	:10	.05	.12
6:00	.57	.06	4:00	.26	0	:50	1.64	.12	:20	.21	.12	:15	.06	.12
:10	.58	.06	5:00	.29	.03	:53	1.65	.20	:30	.23	.12	:20	.07	.12
:20	.59	.06	:20	.31	.06	:59	1.66	.10	:40	.25	.12	:25	.09	.24
:25	.60	.12	:35	.34	.11	7:00	1.67	.60	:50	.27	.12	:30	.09	0
:30	.61	.12	:40	.34	0	:07	1.68	.09	2:00	.29	.12	:32	.11	.60
:40	.63	.12	:46	.35	.10	:14	1.69	.09	:10	.31	.12	6:32	.11	0
:42	.64	.30	:56	.35	.07	:20	1.70	.10	:20	.32	.06	:35	.16	1.00
:48	.66	.20	7:00	.37	.09	:35	1.72	.08	:30	.33	.06	:37	.21	1.50
:50	.66	0	:02	.38	.05	:40	1.72	0	:40	.35	.12	:40	.23	.40
:56	.70	.24	:12	.39	.07	:45	1.75	.09	:50	.36	.06	:50	.25	.12
:10	.72	.12	:20	.40	.05	8:00	1.75	0	3:00	.37	.06	7:00	.26	.06
:16	.73	.10	:31	.41	.07	:30	1.75	0	:10	.39	.12	:30	.26	0
:18	.74	.30	:40	.42	.12	:40	1.76	.02	:20	.41	.12	:40	.27	.06
:22	.75	0	:45	.43	.12	:50	1.77	.02	:30	.43	.12	:45	.29	.12
:30	.77	.15	:50	.44	.30	:56	1.79	.02	:40	.44	.06	:50	.30	.12
:40	.80	.18	7:00	.44	0	11:00	1.81	.02	:50	.47	.18	:55	.33	.36
:42	.81	.06	:02	.46	.24	12:00	1.82	.01	4:00	.49	.12	10:00	.35	.24
:48	.82	.10	:07	.47	.07	STORM OF MAY 6			:50	.51	.04	:10	.36	.06
:56	.83	.15	:16	.48	.15	May 6			5:00	.52	.02	:20	.38	.12
8:00	.84	.30	:20	.52	.12	p. m.			:10	.54	.12	:30	.39	.06
:02	.85	0	:30	.53	.12	6:25	0	0.36	:20	.54	0	:40	.40	.06
:04	.85	.30	:45	.55	.12	:30	.03	.36	:30	.55	.06	:50	.41	.06
:08	.85	.30	:55	.55	.12	:35	.06	.36	:40	.56	.06	11:00	.42	.06
:10	.86	.30	8:00	.56	.12	:40	.08	.24	:50	.61	.30			
:16	.88	.20	:02	.57	.30	:50	.14	1.20	6:00	.64	.18			
:20	.89	.15	:10	.59	.15	:55	.16	.60	:10	.67	.18			
:22	.90	.30	:20	.61	.12	STORM OF MAY 15			:20	.70	.18			
:30	.91	.07	:30	.64	.18	May 15	0.25	(1)	:30	.73	.18			
:40	.93	.12	:32	.65	.30				:40	.78	.30			
:50	.96	.18	:39	.68	.26				:50	.84	.36			
9:00	1.00	.24	:40	.68	0				7:00	.90	.36			
:02	1.01	.30	:50	.72	.24				:10	.93	.18			
:08	1.02	.10	9:00	.74	.12				:20	.96	.18			
:10	1.02	0	:10	.77	.18				:30	.98	.12			
:13	1.03	.20	:20	.80	.18				:40	.99	.06			
:20	1.05	.17	:30	.83	.18				:50	.99	0			
:25	1.06	.12	:36	.84	.10				:00	1.00	.06			
:30	1.07	.12	:40	.85	.15				:10	1.02	.12			
:33	1.08	.20	:46	.86	.10				:20	1.04	.12			
:40	1.09	.09	:50	.87	.15				:30	1.05	.06			
:43	1.10	.20	10:00	.90	.18				:40	1.06	.06			
:47	1.11	.15	:02	.91	.30				:50	1.09	.18			
:50	1.12	.20	:05	.92	.20				9:00	1.11	.12			
:52	1.13	.30	:07	.93	.30				:05	1.13	.24			
:54	1.14	.30	:10	.94	.20				:10	1.21	.96			
10:00	1.16	.20	:14	.95	.15				:20	1.25	.24			
:03	1.17	.20	:17	.97	.40				:30	1.27	.12			
:04	1.18	.60	:20	.98	.20				:40	1.29	.12			
:07	1.19	.20												

1 No intensity record.



TABLE 37.—Rainfall at station 7 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-31—Con.			STORM OF JUNE 7-8—Con.			STORM OF JUNE 10-11—Con.			STORM OF JUNE 18—Con.			STORM OF JUNE 25-26—Con.		
May 30			June 8			June 11			June 18			June 25		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:40	0.76	0.06	2:40	0.09	0	12:55	0	0.12	12:50	0.37	0	6:20	0.77	0
:50	.77	.06	:45	.13	.48	1:00	.01	.12	1:00	.38	.06	:22	.78	.30
7:28	.77	0 .4	:48	.20	1.40	:05	.02	.12	:23	0		:25	.78	0
:30	.78	.30	:50	.29	2.70	:10	.04	.24	:25	.05	1.50	:42	.78	0
:40	.79	.06	:55	.35	.72	:15	.06	.24	:26	.08	1.80	:45	.79	.20
:50	.81	.12	3:00	.37	.24	:20	.08	.24	:30	.12	.60	:50	.81	.24
8:05	.81	0	:42	.37	0	:22	.12	1.20	:32	.13	.30	:52	.82	.30
:10	.82	.12	:45	.46	1.80	:25	.18	1.20	:35	.13	0	:55	.82	0
:20	.83	.06	:46	.53	4.20	:28	.22	.80	:37	.13	0	10:05	.82	0
:30	.84	.06	:48	.55	.60	:30	.27	1.60	:38	.22	5.40	:10	.83	.12
:40	.85	.06	:50	.55	0	:33	.33	1.20	:40	.34	3.60	:15	.84	.12
:50	.86	.06	4:00	.55	0	:35	.39	1.80	:41	.40	3.60	12:00	.84	0
9:00	.87	.06	:03	.61	1.20	:37	.44	1.60	:42	.49	5.40	June 26		
:10	.89	.12	:05	.68	2.10	:40	.46	.40	:44	.61	3.60	a. m.		
10:40	.89	0	:07	.75	2.10	:45	.47	.12	:46	.71	2.40	12:30	.85	.02
:50	.90	.06	:08	.81	3.60	:50	.48	.12	:47	.67	3.60	:56	.85	0
11:00	.91	.06	:10	.81	0	STORM OF JUNE 12			:48	.79	1.20	1:00	.91	.90
p. m.			:18	.81	0	June 12			:50	.82	.45	:10	.92	.06
1:10	.91	0	:20	.82	.30	p. m.			:54	.82	1.20	:50	.92	0
:20	.92	.06	:22	.87	1.50	12:20	0		:55	.84	1.20	2:00	.96	.24
:30	.94	.12	:25	.91	.80	:22	.05	1.50	:57	.85	.30	STORM OF JUNE 28		
:40	.95	.06	STORM OF JUNE 9			:24	.12	2.10	4:00	.87	.40	June 28		
2:10	.95	0	June 9			:25	.15	1.80	:89	.89	.12	a. m.		
:20	.96	.06	12:30	0		8:55	.15	0	:90	.90	.06	7:40	0	
:40	.96	0	a. m.			9:00	.18	.36	June 23			:41	.06	3.60
:50	.97	.06	12:30	0		:03	.27	1.80	p. m.			:42	.09	1.80
3:00	.99	.12	:35	.02	0.24	:05	.31	1.20	8:00	0.07	(1)	:45	.20	2.20
:10	1.00	.06	:45	.02	0	:10	.32	.12	:02	.15	2.40	:50	.25	.60
:20	1.02	.12	:50	.03	.12	:12	.34	.60	:04	.24	2.70	:55	.33	.96
:30	1.03	.06	1:00	.04	.06	:15	.34	0	:05	.29	3.00	:57	.36	.90
:40	1.04	.06	:24	.04	0	STORM OF JUNE 14			:07	.39	3.00	:58	.42	3.60
:50	1.05	.06	:25	.07	1.80	June 14			:09	.46	2.10	8:00	.45	.90
4:00	1.06	.06	:28	.11	.80	p. m.			:10	.54	4.80	:02	.46	.30
:10	1.07	.06	:30	.22	3.30	5:10	0		:12	.61	2.10	:05	.46	0
:20	1.08	.06	:31	.34	7.20	:20	.03	0.18	:14	.67	1.80	:09	.46	0
:30	1.09	.06	:32	.42	4.80	:30	.04	.06	:15	.71	2.40	:10	.48	1.20
:40	1.10	.06	:33	.48	3.60	:40	.06	.12	:20	.75	.48	:11	.54	3.60
:50	1.12	.12	:34	.56	4.80	STORM OF JUNE 15			:30	.76	.06	:12	.58	2.40
5:00	1.15	.18	:35	.57	.60	June 15			:40	.79	.18	:15	.58	0
:10	1.17	.12	:40	.58	.12	p. m.			:50	.81	.12	:56	.58	0
:20	1.19	.12	:50	.60	.12	8:02	0		9:00	.84	.18	:58	.61	.90
:30	1.21	.12	p. m.			:05	.02	.40	:10	.87	.18	9:00	.71	3.00
:40	1.22	.06	3:48	.60	0	:07	.02	0	:20	.89	.12	:02	.79	2.40
:50	1.23	.06	:50	.62	.60	:10	.03	.20	:30	.91	.12	:05	.84	1.00
6:00	1.24	.06	:55	.68	.72	:15	.06	.36	:40	.92	.06	:08	.90	1.20
:10	1.26	.12	4:00	.70	.24	:20	.07	.12	10:30	.92	0	:10	.90	0
:20	1.27	.06	STORM OF JUNE 10-11			STORM OF JUNE 18			11:00	.93	.02	:20	.95	.30
:30	1.28	.06	June 10			June 18			STORM OF JUNE 25-26			:30	.97	.12
:40	1.29	.06	p. m.			a. m.			June 25			:40	1.00	.18
:50	1.30	.06	1:15	0		7:45	0		p. m.			:50	1.03	.18
7:00	1.31	.06	:16	.08	4.80	:48	.01	0.20	2:45	0		10:00	1.05	.12
:10	1.32	.06	:17	.12	2.40	:50	.04	.90	:48	.06	1.20	:10	1.07	.12
:20	1.32	0	:20	.19	1.40	:55	.06	.24	:50	.06	0	11:00	1.07	0
:30	1.34	.12	:22	.28	2.70	8:00	.06	0	:50	.07	.12	:30	1.08	.02
:40	1.35	.06	:25	.38	2.00	:10	.09	.18	:12	.14	2.10	STORM OF JUNE 29-JULY 1		
:50	1.36	.06	:27	.43	1.50	:20	.11	.12	:15	.19	1.00	June 29		
8:00	1.37	.06	:30	.49	1.20	:30	.13	.12	:16	.21	1.20	a. m.		
:10	1.37	0	:35	.56	.84	:32	.14	.30	:20	.21	0	1:15	0	
:20	1.38	.06	:40	.64	.96	:35	.14	0	:30	.21	0	:20	.03	.36
:30	1.39	.06	:45	.66	.24	:40	.14	0	:32	.22	.30	:21	.05	1.20
:40	1.40	.06	:50	.67	.12	:50	.17	.18	:34	.27	1.50	:25	.07	.30
:50	1.41	.06	9:00	1.42	.06	9:00	.20	.18	:35	.31	2.40	June 30		
May 31			June 11			:10	.24	.24	:36	.37	3.60	p. m.		
a. m.			a. m.			:20	.26	.12	:38	.40	.90	4:00	.07	0
1:10	1.42	0	3:43	.80	0	:23	.26	0	:40	.40	0	:10	.09	.12
:20	1.43	.06	:45	.87	2.10	:25	.27	.30	:44	.44	1.80	:20	.09	0
:30	1.43	0	:50	.90	.36	:30	.28	.12	:45	.45	1.40	:50	.10	.06
:40	1.44	.06	:55	.90	0	:35	.29	.12	:47	.47	1.80	5:00	.10	0
STORM OF JUNE 7-8			:50	.91	.06	:40	.30	.06	:48	.48	1.80	:10	.12	.24
June 7			:50	.92	.06	:59	.30	0	:50	.50	0	:20	.13	.12
a. m.			7:00	.91	0	10:20	.29	0	:51	.51	0	:30	.13	0
11:30	0		:10	.92	.06	11:00	.31	.60	:52	.52	1.40	:35	.14	.12
:35	.02	0.24	June 11			:20	.33	.12	:53	.53	1.80	:40	.15	.12
:37	.04	.60	a. m.			:30	.36	.18	:54	.54	1.80			
:40	.04	0	3:43	.80	0	:37	.37	.06	:55	.55	1.80			
p. m.			:45	.87	2.10				:56	.56	1.80			
12:45	.04	0	:50	.90	.36				:57	.57	1.80			
:50	.05	.12	:55	.91	.06				:58	.58	1.80			
1:00	.06	.06	7:00	.91	0				:59	.59	1.80			
:45	.06	0	:10	.92	.06				:60	.60	1.80			
:50	.08	.24							:61	.61	1.80			
2:00	.09	.06							:62	.62	1.80			

1 No intensity record.



TABLE 37.—Rainfall at station 7 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 29-JULY 1—Continued			STORM OF JULY 22			STORM OF JULY 26—Con.			STORM OF AUG. 25-26—Continued			STORM OF AUG. 29-30		
June 30			July 22			July 26			Aug. 26			Aug. 29		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:00.....	0.17	0.06	3:00.....	0		6:05.....	0.34	0.40	12:14.....	0.23	0.30	2:36.....	0	
:26.....	.17	0	:02.....	.04	1.20	:10.....	.34	0	1:00.....	.25	.03	:52.....	.12	0.46
:30.....	.19	.30	:04.....	.15	3.30	:15.....	.35	.12	6:44.....	.25	0	3:00.....	.13	.08
:35.....	.20	.12	:05.....	.16	.60	:24.....	.35	0	7:00.....	.27	.08	:44.....	.14	.01
:38.....	.20	0	:07.....	.17	.30	:25.....	.36	.60	8:00.....	.30	.03	:46.....	.18	1.20
:40.....	.21	.30	:10.....	.22	1.00	:38.....	.36	0	9:11.....	.30	0	:48.....	.19	.30
:43.....	.25	.80	:12.....	.40	5.40	:40.....	.37	.30	:19.....	.32	.15	4:00.....	.20	.05
:44.....	.29	2.40	:14.....	.62	6.60	:45.....	.39	.24				:22.....	.20	0
:45.....	.32	1.80	:15.....	.65	1.80							:24.....	.22	.60
:50.....	.34	.24	:18.....	.66	.20							:31.....	.23	.09
7:00.....	.35	.06	:20.....	.69	.90							:32.....	.26	1.80
:30.....	.35	0	:22.....	.74	1.50							:37.....	.28	.24
:40.....	.36	.06	:25.....	.76	.40							:42.....	.29	.12
:45.....	.36	0	:28.....	.79	.60							:46.....	.33	.60
:50.....	.37	.12	:30.....	.85	1.80							:52.....	.35	.20
:55.....	.38	.12	:32.....	.92	2.10							5:00.....	.37	.15
9:46.....	.38	0	:33.....	.93	.60							:10.....	.39	.12
:50.....	.39	.15	:35.....	.93	0							:40.....	.40	.02
:55.....	.41	.24	4:21.....	.93	0							:50.....	.42	.12
10:00.....	.41	0	:25.....	1.01	1.20							6:00.....	.48	.36
:10.....	.43	.12	:57.....	1.01	0							:20.....	.50	.06
:20.....	.46	.18	5:00.....	1.02	.20							7:00.....	.54	.06
:30.....	.47	.06	:05.....	1.04	.24							8:00.....	.56	.02
:40.....	.52	.30	:10.....	1.10	.72							11:00.....	.56	0
:50.....	.53	.06	:15.....	1.14	.48							12:00.....	.57	.01
11:00.....	.58	.30	:20.....	1.15	.12									
:10.....	.62	.24	7:00.....	1.15	0									
:15.....	.63	.12	:30.....	1.16	.02									
:25.....	.63	0												
:30.....	.65	.24												
:35.....	.67	.24												
:40.....	.68	.12												
:50.....	.71	.18												
12:00.....	.75	.24												
STORM OF JULY 1			STORM OF JULY 23			STORM OF JULY 27			STORM OF AUG. 27			STORM OF AUG. 30		
July 1			July 23			July 27			Aug. 27			Aug. 30		
<i>a. m.</i>			<i>p. m.</i>			<i>p. m.</i>			<i>a. m.</i>			<i>a. m.</i>		
12:20.....	.77	.06	12:15.....	0		6:04.....	0		12:36.....	0		1:00.....	.58	.01
:40.....	.79	.06	:17.....	.10	3.00	4:00.....	.02	0.02	:42.....	.03	.30	2:00.....	.64	.06
:50.....	.81	.12	:20.....	.32	4.40	5:00.....	.04	.02	:45.....	.06	.60	3:00.....	.65	.01
1:00.....	.83	.12	:23.....	.53	4.20	:55.....	.05	.01	:50.....	.25	2.28	4:00.....	.66	.01
:05.....	.84	.12	:25.....	.66	3.90	:57.....	.10	1.50	1:00.....	.31	.36	5:00.....	.68	.02
:30.....	.84	0	:27.....	.74	2.40	:58.....	.16	3.60	:03.....	.32	.20	:30.....	.70	.04
:40.....	.85	.06	:29.....	.83	2.70	6:00.....	.22	1.80	:12.....	.33	.07	:40.....	.72	.12
:50.....	.85	0	:30.....	.87	2.40	:01.....	.26	2.40	:23.....	.46	.72	:46.....	.74	.48
2:00.....	.86	.06	:32.....	.89	.60	:02.....	.31	3.00	:26.....	.48	.40	6:00.....	.87	.45
:10.....	.87	.06	:35.....	.89	0	:03.....	.45	8.40	:30.....	.51	.45	:20.....	1.02	.45
:20.....	.88	.06	7:30.....	.89	0	:04.....	.49	2.40	:34.....	.54	.18	:40.....	1.12	.30
			:35.....	.92	.36	:06.....	.57	2.40	10:00.....	.54	.18	:45.....	1.14	.24
			:40.....	.93	.12	:08.....	.59	.60	:05.....	.56	.12	:50.....	1.20	.72
			:41.....	.95	1.20	:09.....	.63	2.40	:07.....	.46	1.80	7:00.....	1.28	.48
			:43.....	1.07	3.60	:10.....	.65	1.20	:09.....	.57	3.30	:20.....	1.34	.18
			:45.....	1.09	.60	:13.....	.68	.60	:11.....	.73	4.80	:40.....	1.37	.09
			:50.....	1.15	.72	:15.....	.73	1.50	:13.....	.77	1.20	8:00.....	1.41	.12
			:55.....	1.18	.36	:16.....	.79	3.60	:16.....	.81	.80	:30.....	1.46	.10
						:18.....	.85	1.80	:20.....	.84	.45	:40.....	1.50	.08
						:20.....	.89	1.20	:25.....	.86	.24	:20.....	1.54	.12
						:22.....	.91	.60	:28.....	.89	.60	:40.....	1.60	.18
						:25.....	.93	.40	:30.....	.97	2.40	10:00.....	1.66	.18
						:28.....	.95	.40	:35.....	1.04	.84	:20.....	1.70	.12
						:30.....	.96	.30	:42.....	1.06	.17	:40.....	1.72	.06
						:32.....	.97	.30	11:00.....	1.07	.03	:20.....	1.74	.06
						:46.....	.98	.04	12:00.....	1.08	.01	:46.....	1.76	.06
						:52.....	.99	.10				12:00.....	1.77	.02
						7:00.....	1.00	.08						
						8:00.....	1.01	.01						
						9:00.....	1.02	.01						
				</										



TABLE 37.—Rainfall at station 7 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF SEPT. 24-25—Con.			STORM OF NOV. 1—Con.			STORM OF NOV. 11—Con.			STORM OF NOV. 26-27—Con.			STORM OF DEC. 12—Con.		
Sept. 25			Nov. 1			Nov. 11			Nov. 26			Dec. 12		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
12:30	1.05	0.04	6:00	1.04	0.04	2:00	0.12	0.03	1:20	0.21	0.12	1:30	0.20	0.12
1:00	1.10	.10	:49	1.05	.01	:30	.15	.06	:30	.28	.42	2:00	.24	.08
:10	1.13	.18	:52	1.06	.20	3:00	.18	.06	:40	.34	.36	:15	.25	.04
:20	1.15	.12	7:00	1.07	.08	:10	.20	.12	:50	.41	.42	:20	.26	.12
:40	1.22	.21	:03	1.08	.20	:20	.25	.30	2:00	.46	.30	:25	.28	.24
:50	1.26	.24	:11	1.14	.45	:30	.32	.42	:10	.52	.36	:45	.29	.03
2:00	1.30	.24	STORM OF NOV. 5			:36	.34	.20	:20	.56	.24	:50	.30	.12
:10	1.34	.24	Nov. 5			:45	.38	.27	:30	.59	.18	3:00	.31	.06
:30	1.38	.12	a. m.			4:00	.40	.08	:40	.65	.36	:20	.33	.06
3:00	1.39	.02	8:24	0	0.07	:13	.41	.05	:50	.70	.30	:40	.34	.03
:30	1.41	.04	9:00	.04	.08	:24	.43	.11	3:00	.74	.24	4:00	.35	.03
4:00	1.42	.02	:30	.08	.08	:29	.44	.12	:10	.77	.18	5:00	.36	.01
STORM OF NOV. 1			:50	.17	.27	5:00	.46	.04	:20	.80	.18	:10	.37	.06
Nov. 1			10:00	.18	.06	:03	.48	.40	:30	.84	.24	:20	.39	.12
a. m.			:20	.20	.06	6:00	.49	.01	:40	.85	.06	:30	.42	.18
6:34	0	0.07	11:00	.21	.02	:49	.51	.02	4:00	.86	.03	:40	.47	.30
7:00	.03	.06	:30	.23	.04	:57	.54	.23	:10	.88	.12	6:00	.51	.12
:30	.06	.06	:40	.25	.12	7:00	.56	.40	:30	.92	.12	:30	.54	.06
8:00	.09	.06	:50	.27	.12	:11	.57	.06	5:00	.95	.06	7:00	.56	.04
:38	.17	.13	12:00	.30	.18	:34	.58	.03	:30	.96	.02	8:00	.58	.02
:44	.26	.90	STORM OF NOV. 10-11			:37	.60	.40	6:00	.97	.02	STORM OF DEC. 16		
:48	.30	.60	p. m.			8:00	.62	.05	:20	.99	.06	Dec. 16		
:50	.32	.60	12:16	.34	.15	:11	.63	.06	:40	1.02	.09	a. m.		
9:00	.35	.18	:26	.35	.06	:21	.64	.06	7:00	1.04	.06	12:20	0	0.05
:16	.37	.08	:56	.38	.06	:28	.68	.34	:20	1.07	.09	1:00	.03	.05
:20	.40	.45	1:00	.41	.45	:35	.70	.17	:30	1.10	.18	:10	.08	.30
:30	.43	.18	:20	.42	.06	:47	.72	.10	8:00	1.11	.02	:20	.14	.36
:36	.46	.30	:30	.43	.06	9:00	.73	.05	10:00	1.11	0	:30	.16	.12
:48	.48	.10	2:00	.45	.12	:30	.74	.02	Nov. 27			:40	.19	.18
:52	.49	.15	4:00	.46	.02	:48	.85	.18	a. m.			:50	.20	.06
10:00	.50	.08	5:00	.47	.01	11:00	.87	.10	1:00	1.13	.01	2:00	.22	.12
:14	.51	.04	:06	.50	.20	12:00	.88	.06	2:00	1.14	.01	:10	.23	.06
:24	.54	.18	:32	.52	.05	STORM OF NOV. 26-27			STORM OF DEC. 12			:30	.29	.18
:34	.57	.18	STORM OF NOV. 10-11			p. m.			Dec. 12			:35	.32	.36
:44	.60	.18	Nov. 10			12:42	.90	.01	a. m.			:40	.33	.12
11:00	.63	.11	p. m.			1:00	.91	.03	6:20	0	0.02	:50	.36	.18
:10	.69	.36	11:55	0	0.24	STORM OF NOV. 26-27			7:00	.01	.04	3:00	.37	.06
:15	.74	.60	12:00	.02	.02	Nov. 26			8:00	.05	.04	:10	.40	.18
:25	.77	.18	Nov. 11			a. m.			9:00	.06	.01	:30	.43	.09
:35	.80	.18	a. m.			12:15	.04	.08	10:00	.06	0	4:00	.46	.06
:45	.82	.12	12:17	.04	.07	:30	.08	.16	11:00	.07	.01	:30	.49	.06
12:00	.85	.12	:27	.06	.12	:40	.10	.12	:30	.09	.04	5:00	.52	.06
STORM OF NOV. 10-11			:33	.08	.20	:50	.13	.18	12:00	.10	.02	6:00	.55	.03
p. m.			1:00	.09	.02	1:00	.16	.18	STORM OF DEC. 12			:12	.57	.10
12:30	.89	.08	STORM OF NOV. 26-27			:10	.19	.18	Dec. 12			STORM OF DEC. 16		
1:00	.91	.04	Nov. 26			STORM OF NOV. 26-27			a. m.			Dec. 16		
2:00	.92	.01	a. m.			Nov. 26			6:20	0	0.02	a. m.		
3:00	.96	.04	12:15	.04	.08	a. m.			7:00	.01	.04	12:20	0	0.05
4:00	.98	.02	:30	.08	.16	12:00	.02	0.10	8:00	.05	.04	1:00	.02	.12
5:00	.99	.01	:40	.10	.12	p. m.			9:00	.06	.01	:10	.04	.12
:10	1.00	.06	:50	.13	.18	12:15	.04	.08	10:00	.06	0	:30	.08	.48
:20	1.01	.06	1:00	.16	.18	:40	.10	.12	11:00	.07	.01	:18	.12	.80
:26	1.02	.10	:10	.19	.18	:50	.13	.18	:30	.09	.04	:20	.16	1.20
						1:00	.16	.18	:45	.14	.12	:24	.18	.30
									:20	.18	.12	:26	.21	.90

1 No intensity record.



TABLE 38.—Rainfall at station 8 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 9-11			STORM OF FEB. 18—Con.			STORM OF MAR. 2-4—Con.			STORM OF APR. 3—Con.		
Jan. 14			Feb. 9			Feb. 18			Mar. 3			Apr. 3		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:10	0		4:00	0		12:20	0.09	0	12:15	0.73	0.08	2:03	0.02	0
:20	.03	0.18	:20	.01	0.03	:22	.10	.30	:30	.75	.08	:05	.10	2.40
:30	.07	.24	:40	.02	.03	:25	.10	0	:45	.79	.16	:08	.25	3.00
:40	.09	.12	6:00	.02	0	:30	.10	0	1:00	.84	.20	:09	.26	.60
:50	.11	.12	:30	.03	.02	:35	.11	.12	:15	.88	.16	:10	.29	1.80
7:00	.14	.18	7:00	.04	.02	:40	.11	0	:30	.91	.12	:15	.37	.96
:10	.18	.24	:30	.06	.04	:50	.12	.06	:45	.94	.12	:20	.39	.24
:20	.21	.18	9:00	.06	0	1:10	.12	0	2:00	.97	.12	5:55	.39	0
:30	.27	.36	:20	.07	.03	:12	.15	.90	:15	.98	.04	6:00	.47	.96
:40	.35	.48	:40	.08	.03	:15	.15	0	:30	.98	0	:05	.49	.24
:50	.38	.18	11:00	.08	0	:20	.15	0	3:00	.99	.02			
8:00	.43	.30	12:00	.09	.01	:30	.16	.06	7:00	.99	0	STORM OF APR. 7-8		
:10	.45	.12				:40	.17	.06	:15	1.00	.04	Apr. 7		
:20	.50	.30	Feb. 10			2:35	.17	0	8:30	1.00	0	p. m.		
:30	.52	.12	a. m.			:40	.18	.12	:40	1.01	.06	4:00	.02	(1)
:35	.53	.12	1:00	.10	.01	:50	.18	0	9:20	1.01	0	:05	.03	.12
:36	.57	2.40	11:00	.10	0	:55	.20	.24	p. m.	1.02	0	:10	.03	0
:40	.57	0	12:00	.11	.01	3:10	.20	0	:30	1.03	.02	:20	.04	.06
9:06	.57	0				:11	.23	1.80	5:06	1.03	0	5:00	.05	.06
:07	.59	1.20	p. m.			:15	.23	0	:08	1.05	.60	:10	.05	0
:10	.59	0	1:00	.12	.01	:18	.23	0	:10	1.06	.30	:20	.06	.06
:25	.59	0	2:00	.12	0	:20	.24	.30	:11	1.10	2.40	:35	.06	0
:30	.60	.12	3:00	.13	.01	:30	.25	.06	:15	1.13	.45	:40	.09	.36
:31	.61	.60	:30	.14	.02	:40	.26	.12	:25	1.19	.36	:50	.12	.18
:35	.61	0	:46	.14	0	:50	.29	.18	:30	1.22	.04	6:00	.16	.24
:40	.61	0	:50	.16	.30	4:00	.30	.06	:45	1.24	.08	:02	.16	0
:50	.66	.30	:55	.18	.24	:02	.32	.60	6:00	1.25	.04	:05	.17	.20
10:00	.69	.18	4:00	.20	.24	:05	.32	0	:15	1.27	.08	:10	.18	.12
:10	.71	.12	:05	.22	.24	:10	.32	0	:30	1.30	.12	:20	.23	.12
:20	.74	.18	:10	.24	.24	:20	.33	.06	:45	1.31	.04	:25	.23	0
:30	.75	.06	:15	.26	.24	:30	.34	.06	:30	1.33	.08	:30	.24	.30
:40	.77	.12	:20	.29	.36	:40	.35	.66	:45	1.34	.04	:40	.25	.30
:50	.78	.06	:25	.31	.24	:50	.36	.06	9:20	1.34	0	:45	.25	0
11:00	.80	.12	:30	.33	.24	5:00	.38	.12	:30	1.36	.12	10:40	.25	0
:10	.81	.06	:40	.35	.12	:10	.38	0	:40	1.43	.42	:45	.26	.12
			:50	.36	.06	:20	.39	.06	:50	1.48	.30	:50	.28	.24
			5:00	.37	.06	:30	.41	.12	10:00	1.51	.18	11:00	.28	0
			:10	.39	.12	:43	.41	0	:15	1.54	.12	:10	.29	.06
			:20	.39	0	:45	.42	.30	:30	1.55	.04	:30	.29	0
			:30	.41	.12		.54					12:00	.30	.02
			:40	.44	.18	STORM OF MAR. 2-4			Mar. 4					
			:45	.46	.24	Mar. 2			a. m.					
			:50	.46	0	8:30			12:20	1.55	0			
			6:00	.48	.12	a. m.			:25	1.56	.12			
			:05	.49	.12	8:45	0		:30	1.57	.12			
			:10	.52	.36	:45	.01	0.04	:45	1.57	0			
			:15	.53	.12	9:00	.02	.04	1:00	1.59	.08			
			:20	.55	.24	:15	.04	.08	STORM OF MAR. 18					
			:30	.56	.06	:30	.05	.04	Mar. 18					
			:40	.58	.12	:45	.06	.04	p. m.					
			:50	.62	.24	10:00	.08	.08	5:30	0				
			7:30	.62	0	:15	.10	.08	:33	.02	0.40			
			8:00	.63	.02	:30	.11	.04	:35	.05	.90			
			:10	.64	.06	:40	.12	.04	:36	.07	1.20			
			:20	.65	.06	:45	.13	.04	:40	.13	.90			
			:35	.65	0	11:00	.13	.04	:45	.15	.24			
			:40	.66	.12	12:00	.13	0	:50	.17	.24			
			:45	.67	.12				:55	.19	.40			
			:50	.68	.12				:57	.22	.90			
			9:10	.69	.12				6:00	.25	.40			
			:20	.70	.06				:03	.27	.40			
			Feb. 11						:05	.28	.30			
			12:10	.70	0				:10	.31	.36			
			:20	.72	.12				:15	.32	.12			
			:30	.74	.12				:20	.33	.12			
			:40	.77	.18				:25	.34	.12			
			:50	.78	.06				:30	.36	.24			
			STORM OF FEB. 18						:35	.37	.12			
			Feb. 18						:40	.38	.12			
			a. m.						:45	.39	.06			
			7:00	0					:50	.39	0			
			8:00	.03	0.03				1:00	.40	.06			
			:30	.03	0				STORM OF APR. 3					
			:40	.04	.06				Apr. 3					
			:45	.05	.12				a. m.					
			9:53	.05	0				9:00	0				
			:55	.06	.30				10:00	.01	0.01			
			10:30	.06	0				11:00	.02	.01			
			11:00	.07	.02									
			:45	.07	0									
			:50	.08	.12									
			12:00	.09	.06									

1 No intensity record.



TABLE 38.—Rainfall at station 8 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 11—Con.			STORM OF APR. 19-20			STORM OF APR. 19-20—Continued			STORM OF MAY 19—Con.			STORM OF MAY 23-24—Continued		
Apr. 11			Apr. 19			Apr. 20			May 19			May 24		
p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
2:20	0.11	0.06	11:19	0		1:00	1.44	0	2:52	0.05	1.80	8:05	1.01	0
:30	.12	.06	:30	.01	0.05	:40	1.46	.03	:54	.11	1.80	:10	1.02	.12
:40	.14	.12	:49	.01	0	2:00	1.46	0	:55	.16	3.00	:20	1.04	.12
:44	.15	.15	:52	.02	.20	:14	1.47	.04	:56	.18	1.20	:30	1.05	.06
:45	.16	.60	12:00	.03	.07	5:06	1.47	0	3:05	.18	0	:40	1.06	.06
:50	.17	.12				:12	1.48	.10	:08	.19	.20	:50	1.07	.06
:53	.18	.20				:20	1.49	.07	:14	.19	0	9:00	1.11	.24
3:00	.20	.17	12:05	.05	.24	:40	1.51	.06	:15	.20	.60	:05	1.12	.12
:05	.22	.24	:16	.07	.11	:53	1.53	.09	:20	.22	.24	:10	1.14	.24
:08	.23	.20	:20	.08	.15	6:00	1.53	0	:20	.22	.24	:13	1.18	.80
:10	.24	.30	:29	.09	.07	:20	1.54	.03	:20	.22	.24	:15	1.21	.90
:20	.28	.24	:36	.10	.09	:27	1.55	.09	:20	.22	.24	:20	1.23	.24
:23	.29	.20	:40	.10	0	:40	1.55	0	:30	.22	.24	:30	1.25	.12
:27	.31	.30	:44	.11	.15	:50	1.57	.12	:40	.22	.24	:40	1.27	.12
:30	.31	0	:52	.12	.07	7:00	1.59	.12	:50	.22	.24	:50	1.30	.18
:38	.34	.22	:54	.13	.30	:02	1.60	.30				10:00	1.31	.06
:40	.34	0	1:00	.13	0	:10	1.62	.15				:10	1.33	.12
:50	.36	.12	:10	.14	.06	:20	1.63	.06				:12	1.35	.60
:57	.38	.17	:13	.15	.20	:30	1.65	.12	2:15	0	0.04	:15	1.36	.20
4:00	.39	.20	:16	.16	.20	:40	1.66	.06	:50	.01	0	:22	1.36	0
:04	.40	.15	:20	.16	0	:44	1.68	.30	3:00	.02	.06	:25	1.37	.20
:08	.41	.15	:40	.18	.06	8:00	1.69	.10	:10	.03	.06	:32	1.37	0
:10	.41	0	:40	.19	.03	:41	1.71	.02	:30	.03	0	:35	1.38	.20
:12	.42	.30	:22	.20	.02	9:00	1.71	0	:40	.04	.06	:50	1.38	0
:20	.43	.07	3:00	.22	.03	:33	1.73	.04	:50	.05	.06	11:00	1.39	.06
:40	.44	.03	:19	.24	.06	:35	1.75	.60	4:12	.05	0	:10	1.40	.06
:43	.45	.20	4:09	.24	0	10:00	1.75	0	:15	.06	.20	:20	1.42	.12
:51	.46	.07	5:00	.26	.02	:45	1.76	.01	:30	.06	0	:24	1.42	0
5:00	.47	.07	:14	.28	.09	11:00	1.76	0	:40	.07	.06	:25	1.45	1.80
:05	.48	.15	:20	.29	.10	:40	1.77	.01	:50	.08	.06	:30	1.49	.48
:11	.49	.10	:40	.32	.09				5:30	.08	0	:40	1.53	.24
:13	.50	.30	6:00	.35	.09	p. m.			6:00	.09	.02	:50	1.57	.24
:20	.60	0	:20	.38	.09	12:40	1.77	0	9:30	.09	0	12:00	1.62	.30
:24	.61	.15	:40	.40	.06	:50	1.78	.06	10:00	.10	.02			
:28	.62	.15	:49	.41	.07	1:00	1.79	.06	:30	.11	.02			
:31	.63	.20	7:00	.42	.05	2:00	1.81	.02	11:00	.11	0			
:40	.63	0	:19	.44	.06	:52	1.83	.02	:30	.13	.04			
:42	.64	.30	:20	.44	0				12:00	.15	.04			
:57	.65	.04	:22	.46	.60	STORM OF MAY 6								
6:00	.66	.20	:29	.47	.09	May 6								
:17	.67	.03	:31	.48	.30	p. m.								
:20	.67	0	:40	.50	.13	12:26	0	0.90						
:27	.68	.09	:52	.53	.15	:28	.03	.03						
:34	.69	.09	8:00	.53	0	:30	.04	.30						
:40	.61	.20	:03	.54	.20	:35	.06	.24						
:44	.62	.15	:20	.58	.14	:40	.08	.24						
:46	.63	.30	:26	.60	.20	1:00	.08	0						
:50	.65	.30	:30	.62	.30	:02	.13	1.50						
:54	.66	.15	:36	.64	.20	:05	.18	1.00						
7:00	.68	.20	:40	.64	0	STORM OF MAY 15								
:03	.68	0	:46	.67	.30	May 15								
:05	.70	.60	:50	.68	.15	a. m.								
:10	.71	.12	9:00	.70	.12	11:15	0	0.36						
:17	.71	0	:04	.72	.30	:20	.03	.03						
:20	.72	.20	:10	.74	.20	:25	.03	0						
:24	.73	.15	:20	.76	.12	:30	.04	.12						
:26	.74	.30	:27	.78	.17	:35	.05	.12						
:30	.75	.15	:30	.78	0	:40	.05	0						
:40	.77	.12	:40	.80	.12	:45	.07	.24						
:50	.79	.12	:47	.82	.17	:50	.08	.12						
8:00	.80	.06	:50	.82	0	:55	.09	.12						
:05	.81	.15	10:00	.85	.18	12:00	.10	.12						
:06	.82	.09	:08	.88	.22	p. m.								
:10	.83	.15	:10	.89	.30	12:05	.11	.12						
:17	.84	.09	:20	.93	.24	:10	.12	.12						
:18	.85	.60	:24	.94	.15	:15	.13	.12						
:20	.85	0	:28	.96	.30	:20	.15	.24						
:30	.88	.18	:30	.97	.30	:25	.17	.24						
:40	.89	.06	:40	1.02	.30	:30	.18	.12						
:50	.93	.24	:45	1.04	.24	:40	.21	.18						
:53	.94	.20	:50	1.07	.36	:50	.22	.06						
:58	.96	.24	:55	1.10	.36	1:40	.22	0						
9:00	.96	0	11:00	1.13	.36	:50	.23	.06						
:05	.98	.24	:05	1.15	.24	2:00	.24	.06						
:10	1.00	.24	:10	1.17	.24	:10	.25	.06						
:18	1.00	0	:20	1.23	.36									
:20	1.02	.60	:24	1.25	.30	STORM OF MAY 19								
:30	1.03	.06	:28	1.29	.60	May 19								
:40	1.06	.18	:30	1.29	0	p. m.								
:47	1.07	.09	:34	1.32	.45	2:50	0	-----						
:50	1.09	.40	:37	1.34	.40	:51	.02	1.20						
:56	1.10	.10	:40	1.35	.20									
:58	1.12	.60	:45	1.39	.48									
10:00	1.12	0	:50	1.39	0									
:06	1.15	.30	12:00	1.40	.06									
:10	1.16	.15												
:20	1.16	0												
:30	1.18	.12												
:35	1.19	.12												
:40	1.20	.12												
11:00	1.22	.06	Apr. 20											
:10	1.23	.06	a. m.											
:20	1.24	.06	12:04	1.41	.15									
:32	1.26	.10	:10	1.42	.10									
			:13	1.43	.20									
			:20	1.44	.09									



TABLE 38.—Rainfall at station 8 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-30—Con.			STORM OF JUNE 7—Con.			STORM OF JUNE 10-11—Con.			STORM OF JUNE 18—Con.			STORM OF JUNE 28—Con.		
May 30			June 7			June 11			June 18			June 28		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
1:25	0.44	1.80	11:37	0.11	0.90	3:50	0.12	1.20	4:00	1.23	0.36	8:11	0.41	0
:28	.47	.60	:40	.13	.40	4:12	.12	0	:10	1.26	.18	:13	.44	.90
:30	.48	.30	p. m.			:14	.13	.30	:20	1.28	.12	:15	.46	.60
:40	.49	.06	12:20	.13	0	:15	.13	0	:30	1.29	.06	:30	.46	0
:50	.50	.06	:30	.14	.06	7:50	.13	0	:40	1.30	.06	:40	.47	.06
:55	.50	0	:50	.14	0	:55	.14	.12	STORM OF JUNE 23			:57	.47	0
:58	.57	1.40	1:00	.16	.12	p. m.			June 23			9:00	.51	.80
2:00	.58	.30	STORM OF JUNE 8			1:00	.14	0	p. m.			:02	.61	3.00
:10	.60	.12	June 8			:05	.16	.24	8:14			:05	.73	2.40
4:45	.60	0	p. m.			:10	.21	.60	:15			:07	.76	.90
:50	.61	.12	2:30			:15	.29	.96	:20			:10	.80	.80
5:05	.61	0	:40			:20	.33	.48	:25			:15	.82	.24
:10	.62	.12	:50			:25	.41	.96	:30			:20	.84	.24
6:18	.62	0	:55			:30	.51	1.20	:35			:30	.88	.24
:20	.63	.30	:57			:35	.68	2.40	:40			:40	.91	.18
:25	.63	0	3:00			:40	.72	.48	:45			:50	.95	.24
:30	.64	.12	:41			:45	.73	.12	:50			0:00	.97	.12
:32	.65	.30	:43			:50	.74	.12	:55			:10	.99	.12
7:30	.65	0	:45			4:00	.74	0	:50			STORM OF JUNE 29		
:40	.67	.12	:47			5:00	.75	.02	:50			June 29		
:50	.69	.12	:49			STORM OF JUNE 12			:50			a. m.		
8:10	.69	0	:51			June 12			9:00			1:06	0	-----
:20	.70	.06	:53			p. m.			:10			:10	.02	0.30
:30	.71	.06	:55			8:55			:20			:15	.06	.48
:37	.71	0	:57			:59			:30			:20	.07	.12
:40	.72	.20	:59			9:00			:40			STORM OF JUNE 30-JULY 1		
:50	.72	0	:01			:05			:50			June 30		
9:00	.73	.06	:03			June 14			:50			p. m.		
:10	.74	.06	:05			p. m.			:50			3:00	0	-----
:20	.76	.12	:07			8:55			:50			:30	.01	0.02
10:40	.76	0	:09			9:00			:50			4:00	.02	.02
:50	.78	.12	:11			:05			:50			:10	.03	.06
11:00	.79	.06	:13			June 16			:50			:55	.03	0
:40	.79	0	:15			p. m.			:50			5:00	.04	.12
:50	.80	.06	:17			8:55			:50			:05	.05	.12
p. m.			:19			9:00			:50			:10	.06	.12
1:20	.80	0	:21			:05			:50			:24	.06	0
:30	.82	.12	:23			June 18			:50			:25	.07	.60
2:44	.82	0	:25			a. m.			:50			:30	.09	.24
:45	.83	.60	:27			7:50			:50			:40	.10	.06
3:00	.83	0	:29			8:00			:50			6:18	.10	0
:10	.85	.12	:31			:10			:50			:20	.12	.60
:20	.86	.06	:33			:12			:50			:25	.13	.12
:30	.87	.06	:35			:14			:50			:30	.13	0
:40	.88	.06	:37			:16			:50			:34	.13	.75
:50	.89	.06	:39			:18			:50			:35	.21	1.80
4:00	.90	.06	:41			:20			:50			:38	.24	.60
:05	.90	0	:43			:22			:50			:40	.25	.30
:06	.91	.60	:45			:24			:50			:44	.26	.15
:15	.91	0	:47			:26			:50			:45	.26	0
:20	.92	.12	:49			:28			:50			7:00	.26	0
:30	.94	.12	:51			:30			:50			:10	.27	.06
:40	.95	.06	:53			:32			:50			:35	.27	0
:50	.98	.18	:55			:34			:50			:40	.29	.24
5:00	.99	.06	:57			:36			:50			8:00	.29	0
:10	1.01	.12	:59			:38			:50			:10	.30	.06
:20	1.02	.06	:01			:40			:50			9:10	.30	0
:30	1.04	.12	:03			:42			:50			:20	.31	.06
:40	1.05	.06	:05			:44			:50			:39	.31	0
:50	1.07	.12	:07			:46			:50			:40	.32	.60
6:00	1.09	.12	:09			:48			:50			:45	.34	.24
:13	1.09	0	:11			:50			:50			:50	.35	.12
:15	1.11	.60	:13			:52			:50			:55	.36	.06
:30	1.11	0	:15			:54			:50			10:00	.36	.06
:40	1.12	.06	:17			:56			:50			:10	.39	.18
:50	1.13	.06	:19			:58			:50			:13	.40	.20
7:00	1.14	.06	:21			:00			:50			:15	.40	0
:02	1.15	.30	:23			:02			:50			:20	.40	0
:30	1.15	0	:25			:04			:50			:30	.44	.24
:40	1.16	.06	:27			:06			:50			:40	.47	.18
:50	1.17	.06	:29			:08			:50			:50	.52	.30
8:18	1.17	0	:31			:10			:50			11:00	.55	.18
:20	1.18	.30	:33			:12			:50			:05	.57	.24
:25	1.20	.24	:35			:14			:50			:18	.57	0
:40	1.20	0	:37			:16			:50			:20	.59	.60
:50	1.21	.06	:39			:18			:50			:25	.61	.24
9:00	1.21	0	:41			:20			:50			:30	.63	.24
:10	1.22	.06	:43			:22			:50			:40	.65	.12
:30	1.22	0	:45			:24			:50			:50	.70	.30
:40	1.23	.06	:47			:26			:50			12:00	.71	.06
11:30	1.23	0	:49			:28			:50			July 1		
12:00	1.24	.02	:51			:30			:50			a. m.		
STORM OF JUNE 7			June 11			June 15			June 19			June 23		
a. m.			a. m.			a. m.			a. m.			a. m.		
11:30	0	-----	3:45	0	-----	7:41	0	-----	7:41	0	-----	12:10	.72	.06
:35	.08	0.96	:47	.06	1.80	:50	.35	0	:45	.04	0.60	:20	.73	.06
						:55	.36	.06	:50	.07	.36			
						:59	.36	0	:55	.11	.80			
						:03	.39	.60	:59	.20	2.70			
						:07	.42	.90	:03	.32	2.40			
						:11	.43	.12	:07	.38	1.80			
						:15	.43	0	:11	.41	.90			
						:19	.43	0	:15	.41	0			
						:23	.43	0						
						:27	.43	0						
						:31	.43	0						
						:35	.43	0						
						:39	.43	0						
						:43	.43	0						
						:47	.43	0						
						:51	.43	0						
						:55	.43	0						
						:59	.43	0						
						:03	.43	0						
						:07	.43	0						
						:11	.43	0						
						:15	.43	0						
						:19	.43	0						
						:23	.43	0						
						:27	.43	0						
						:31	.43	0						
						:35	.43	0						
						:39	.43	0						
						:43	.43	0						
						:47	.43	0						
						:51	.43	0						
						:55	.43	0						
						:59	.43	0						
						:03	.43	0						
						:07	.43	0						
						:11	.43	0						
						:15	.43	0						
						:19	.43	0						
						:23	.43	0						
						:27	.43	0						
						:31	.43	0						
						:35	.43	0						
						:39	.43	0						
						:43	.43	0						
						:47	.43	0						
						:51	.43	0						
						:55	.43	0						
						:59	.43	0						
						:03	.43	0						
						:07	.43	0						
						:11	.43	0						
						:15	.43	0						
						:19	.43	0						
						:23	.43	0						
						:27	.43	0						
						:31	.43	0						
						:35	.43	0						
						:39	.43	0						
						:43	.43	0						
						:47	.43	0						
						:51	.43	0						
						:55	.43	0						
						:59	.43	0						
						:03	.43	0						
						:07	.43	0						
						:11	.43	0						



TABLE 38.—Rainfall at station 8 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 30-JULY 1-Continued			STORM OF JULY 24			STORM OF AUG. 25-26-Con.			STORM OF AUG. 27-Con.			STORM OF SEPT. 9-10-Con.		
July 1		Inches per hour	July 24		Inches per hour	Aug. 25		Inches per hour	Aug. 27		Inches per hour	Sept. 10		Inches per hour
a. m.	Inches		p. m.	Inches		p. m.	Inches		p. m.	Inches		a. m.	Inches	
12:30	0.74	0.06	7:00	0		7:00	0.03	0.05	8:22	1.47	0	12:33	0.10	0
:35	.74	0	:30	.01	0.02	:24	.05	.05	:30	1.61	1.05	:40	.11	.09
:40	.76	.24	8:33	.01	0	:30	.06	.10	:32	1.63	.60	:45	.12	.12
:45	.77	.12	:35	.02	.30	8:00	.07	.02	:38	1.77	1.40	:48	.12	0
:50	.78	.12	:38	.07	1.00	10:00	.07	0	:42	1.79	.30	:54	.13	.10
1:00	.80	.12	:40	.08	.30	:30	.09	.04	:50	1.81	.15	1:08	.14	.04
:25	.80	0	:50	.08	0	11:00	.10	.02	:50	1.83	.12	:09	.16	1.20
:30	.81	.12	9:00	.09	.06	:06	.11	.10	:14	1.85	.09	:13	.17	.15
:40	.82	.06	:30	.09	0	:10	.14	.45				:16	.18	.20
:50	.82	0	:40	.10	.06	:30	.15	.03				:30	.18	0
2:00	.84	.12				12:00	.16	.02				:40	.19	.06
STORM OF JULY 11			STORM OF JULY 26			STORM OF AUG. 29-30								
July 11			July 26			Aug. 29								
p. m.			p. m.			a. m.			a. m.					
3:07	0		5:21	0		12:05	.16	0	3:26	0				
:10	.09	1.80	:25	.15	2.25	:08	.18	.40	:34	.07	0.53			
:13	.26	3.40	:26	.17	1.20	:12	.19	.15	:40	.13	.60			
:15	.27	.30	:27	.19	1.20	:16	.20	.15	:44	.15	.60			
4:31	.27	0	:30	.19	0	6:34	.20	0	:42	.17	.07			
:35	.28	.15	:35	.23	.48	:40	.22	.20	4:00	.17	.07			
:40	.28	0	:40	.26	.36	7:00	.24	.06	:30	.18	.02			
:41	.29	.60	:45	.27	.12	:30	.27	.06	:40	.20	.12			
:45	.29	0	:48	.27	0	8:00	.29	.04	5:00	.21	.03			
5:01	.29	0	:50	.30	.90				:17	.21	0			
:05	.38	1.35	:52	.30	0				:19	.25	1.20			
:10	.44	.72	:55	.33	.60				:23	.27	.30			
:13	.45	.20	6:00	.36	.36				:30	.28	.09			
:15	.45	0	:05	.37	.12				:34	.32	.60			
:23	.45	0	:17	.37	0				:44	.36	.24			
:25	.49	1.20	:20	.39	.40				:52	.40	.30			
:30	.51	.24	:35	.39	0				6:00	.42	.15			
:35	.53	.24	:40	.41	.24				:22	.44	.05			
:40	.53	0							:41	.48	.13			
:44	.54	.15							:46	.51	.36			
:45	.56	1.20							7:00	.54	.13			
10:33	.56	0							:30	.57	.06			
:35	.58	.60							8:00	.59	.04			
:40	.58	0							12:00	.59	0			



TABLE 38.—Rainfall at station 8 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF DEC. 12—Con.			STORM OF DEC. 16—Con.			STORM OF DEC. 27-30			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con		
Dec. 12			Dec. 16			Dec. 27			Dec. 28			Dec. 29		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
5:00	0.36	0.02	12:42	0.50	0	3:44	0	0.23	10:54	0.18	0.15	7:00	0.66	0.02
:10	.37	.06	:46	.51	.15	4:00	.06	.18	11:00	.19	.10	:20	.67	.03
:20	.40	.18	:52	.55	.40	:10	.09	.12	:10	.20	.06	:40	.70	.09
:30	.43	.18	1:04	.56	.05	:20	.11	.12	:30	.22	.06	8:00	.72	.06
:40	.46	.18	:10	.58	.20	:30	.14	.18	12:00	.23	.02	:30	.74	.04
:50	.48	.12	:14	.64	.90	:40	.18	.24	Dec. 29			9:00	.77	.06
6:00	.50	.12	:18	.68	.60	:50	.22	.24	<i>a. m.</i>			:20	.81	.12
:30	.51	.02	:26	.70	.15	5:00	.24	.12	12:22	.24	.03	10:00	.82	.02
7:00	.52	.02	STORM OF DEC. 25-26			:20	.26	.06	:24	.25	.30	<i>p. m.</i>		
8:00	.53	.01	Dec. 25			:30	.28	.12	:26	.28	.90	1:00	.82	0
9:00	.54	.01	<i>p. m.</i>			6:00	.29	.02	:30	.30	.04	:30	.83	.02
10:00	.55	.01	10:30	0	0.04	:20	.30	.03	1:00	.30	.02	4:00	.83	0
STORM OF DEC. 16			11:00	.02	.06	9:00	.30	0	:30	.31	.02	5:00	.85	.02
Dec. 16			12:00	.09	.08	:30	.31	.02	:40	.32	.06	6:00	.86	.01
<i>a. m.</i>			Dec. 26			10:00	.33	.04	:50	.35	.18	7:00	.87	.01
12:14	0	0.09	<i>p. m.</i>			11:00	.36	.03	2:00	.38	.18	8:00	.87	0
:34	.03	.07	10:30	0	0.04	Dec. 28			:10	.40	.12	9:00	.88	.01
1:00	.06	.24	:30	.05	.06	<i>a. m.</i>			:20	.43	.18	10:00	.89	.01
:10	.10	.06	12:00	.09	.08	3:00	.36	0	:30	.46	.18	11:00	.90	.01
:20	.11	.06	Dec. 26			4:00	.38	.02	:40	.50	.24	12:00	.91	.01
:40	.15	.12	<i>a. m.</i>			<i>p. m.</i>			:50	.52	.06	Dec. 30		
2:00	.20	.15	12:30	.11	.04	6:00	0	0.08	:20	.54	.06	<i>a. m.</i>		
:30	.26	.12	1:00	.13	.04	7:00	.08	.08	:30	.56	.12	1:00	.93	.02
3:00	.32	.12	:30	.15	.04	:30	.10	.04	:40	.57	.02	2:00	.94	.01
:30	.39	.14	2:00	.16	.02	8:00	.11	.02	:15	.57	.02	3:00	.94	0
4:00	.42	.06	3:00	.17	.01	9:00	.12	.01	:20	.59	.24	4:00	.95	.01
:30	.46	.08	4:00	.19	.02	:30	.14	.04	:24	.60	.15	5:00	.96	.01
5:00	.48	.04	:10	.20	.06	10:00	.15	.02	:30	.61	.04	6:00	.98	.02
6:00	.50	.02				:46	.16	.01	:40	.62	.06	7:00	.99	.01
									:50	.63	.06			
									6:00	.64	.01			

TABLE 39.—Rainfall at station 14 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 6			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 9-11—Con.		
Jan. 14			Feb. 6			Feb. 6			Feb. 10			Feb. 10		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:20	0	0.12	6:30	0	0.06	1:45	0.52	0.12	12:25	0.18	0	8:33	0.79	0
:25	.01	.20	:40	.01	0	3:05	.52	0	:50	.20	.05	:39	.80	.10
:31	.03	.33	:48	.01	0	:20	.53	.04	1:20	.20	0	:40	.80	0
:40	.08	.15	7:00	.02	.05	:34	.53	0	:45	.22	.05	:47	.81	.09
:48	.10	0	:20	.04	.06	:40	.54	.10	3:40	.22	0	11:40 <sup>1</sup>	.81	0
:52	.10	.15	:30	.04	0	4:00	.54	0	:46	.23	.10	:50	.82	.06
:56	.11	.15	:40	.05	.06	:10	.55	.06	:57	.29	.32	12:00	.84	.12
7:00	.12	.15	:50	.06	.06	STORM OF FEB. 9-11			4:00	.30	.20	Feb. 11		
:08	.14	.15	8:00	.08	.12	Feb. 9			:07	.32	.17	<i>a. m.</i>		
:13	.18	.48	:20	.10	.06	<i>a. m.</i>			:09	.34	.60	12:05	.85	.12
:20	.20	.17	:31	.12	.11	12:00	0	0.01	:14	.38	.48	:09	.85	0
:31	.23	.05	:40	.13	.07	Feb. 9			:20	.39	.10	:20	.89	.22
:40	.28	.33	:57	.16	.10	<i>p. m.</i>			:32	.44	.25	:38	.96	.23
:47	.34	.52	9:00	.16	0	1:00	.01	0.01	:40	.46	.15	:40	.96	0
8:00	.40	.28	:05	.17	.12	2:30	.01	0	:53	.47	.05	:45 <sup>2</sup>	.97	.12
:20	.46	.18	:16	.18	.05	3:00	.02	.02	:56	.48	.20	STORM OF FEB. 18-19		
:40	.54	.24	:20	.18	0	4:00	.02	0	5:00	.48	0	Feb. 18		
:46	.55	.10	:28	.20	.15	:10	.03	.06	:03	.49	.20	<i>a. m.</i>		
9:00	.56	.04	:33	.20	0	:20	.04	.04	:15	.51	.10	6:40	0	0.03
:20	.58	.06	:40	.22	.17	6:05	.03	0	:26	.53	.20	7:00	.01	0.06
:32	.58	0	:45	.24	.24	:20	.04	.04	:30	.53	0	:30	.01	0
:40	.60	.15	:48	.26	.40	7:00	.07	.04	:40	.56	.18	:40	.02	.06
:45	.60	0	10:00	.30	.20	:10	.08	.06	:44	.57	.15	8:00	.03	.03
:52	.62	.17	:09	.34	.26	:25	.09	.04	:55	.59	.11	9:00	.07	.04
10:00	.66	.30	:20	.38	.22	9:00	.09	0	6:00	.61	.24	:10	.08	.06
:04	.67	.15	:30	.40	.12	:15	.11	.04	:03	.61	0	:15	.09	.02
:20	.70	.11	:40	.41	.06	Feb. 10			:05	.63	.60	:25	.10	.04
:33	.73	.14	:55	.42	.04	<i>a. m.</i>			:18	.69	.28	11:10	.10	0
:40	.74	.09	11:55	.42	0	12:20	.11	0	:20	.69	0	12:00	.14	.05
:50	.76	.12	12:00	.43	.12	1:00	.12	.02	:36	.71	.08	<i>p. m.</i>		
11:00	.77	.06	<i>p. m.</i>			6:30	.12	0	:40	.72	.15	12:45	.17	.04
:20	.78	.03	12:25	.43	0	:50	.13	.03	:44	.73	.15	1:00	.17	0
STORM OF JAN. 14			:43	.44	.04	7:00	.13	0	:52	.75	.15			
12:20	.78	0	:49	.46	.20	:10	.14	.06	7:15	.75	0			
:40	.79	.03	:55	.46	0	10:00	.14	0	:20	.76	.12			
2:16	.79	0	1:00	.47	.12	11:00	.16	.02	:30	.77	.06			
:18	.83	1.20	:05	.48	.12	:13	.16	0	:40	.77	0			
:20	.83	0	:20	.50	.08	:30	.17	.04	:46	.78	.10			
:32	.85	.10	:40	.51	.03	12:00	.18	.02	8:00	.78	0			

<sup>1</sup> Snow began.<sup>2</sup> Snow ended.



TABLE 39.—Rainfall at station 14 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF FEB. 18-19—Con.			STORM OF MAR. 2-4—Con.			STORM OF MAR. 18—Con.			STORM OF APR. 3—Con.			STORM OF APR. 11		
Feb. 18			Mar. 3			Mar. 18			Apr. 3			Apr. 11		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
1:10.....	0.18	0.06	12:05.....	0.76	0.12	6:50.....	0.47	0.12	2:14.....	0.26	0.90	12:57.....	0	0.08
:30.....	.20	.06	:15.....	.77	.06	7:00.....	.47	0	:15.....	.27	.60	1:05.....	.01	0
:50.....	.21	.03	:20.....	.78	.12	:15.....	.48	.04	:16.....	.30	1.80	:10.....	.01	0
2:00.....	.21	0	:34.....	.82	.17	STORM OF MAR. 30			:18.....	.32	.60	:20.....	.03	.12
:16.....	.22	.04	:40.....	.85	.30	Mar. 30			:19.....	.33	.60	:30.....	.03	0
:40.....	.26	.10	:51.....	.89	.22				:20.....	.34	.60	:40.....	.05	.12
:45.....	.28	.24	1:00.....	.92	.20	<i>a. m.</i>			4:19.....	.34	0	:50.....	.06	.06
3:00.....	.30	.08	:20.....	.97	.15	5:10.....	0		:20.....	.36	1.20	2:00.....	.07	.06
:12.....	.32	.10	:30.....	.99	.12	:20.....	.02	0.12	5:52.....	.36	0	:10.....	.09	.12
:16.....	.35	.45	:40.....	1.01	.12	:35.....	.04	.08	:54.....	.37	.30	:20.....	.09	0
:44.....	.38	.06	:50.....	1.02	.06	:40.....	.04	0	:55.....	.38	.60	:30.....	.10	.06
:46.....	.40	.60	2:00.....	1.04	.12	:45.....	.05	.12	:56.....	.40	1.20	:40.....	.13	.18
4:00 <sup>1</sup> .....	.42	.09	:09.....	1.04	0	:50.....	.06	.12	:57.....	.42	1.20	:48.....	.15	.15
:07.....	.43	.09	:20.....	1.05	.05	6:00.....	.08	.12	:58.....	.43	.60	:50.....	.16	.30
5:00.....	.46	.03	5:40.....	1.05	0	:16.....	.10	.08	:59.....	.44	.60	:52.....	.17	.30
:18.....	.48	.07	6:00.....	1.06	.03	:20.....	.10	0	6:00.....	.45	.60	3:00.....	.19	.15
:55.....	.51	.05	7:10.....	1.06	0	:40.....	.14	.12	:01.....	.45	0	:02.....	.19	0
6:00.....	.51	0	:25.....	1.07	.04	:53.....	.17	.14	:02.....	.47	1.20	:10.....	.24	.38
7:00.....	.53	.02	:50.....	1.08	.02	7:00.....	.18	.09	:04.....	.47	0	:12.....	.25	.30
8:00.....	.54	.01	11:00.....	1.08	0	:08.....	.18	0	:05.....	.49	1.20	:14.....	.26	.30
:12.....	.55	.05	12:00.....	1.09	.01	:20.....	.20	.10	:10.....	.49	0	:20.....	.28	.20
9:00.....	.56	.01	<i>p. m.</i>			:34.....	.21	.04	:16.....	.50	.10	:23.....	.30	.40
:20.....	.57	.03	1:20.....	1.09	0	:40.....	.22	.10	STORM OF APR. 7-8			:26.....	.30	0
10:00.....	.57	0	:50.....	1.10	.02	8:00.....	.22	0	<i>p. m.</i>			:30.....	.32	.30
:20.....	.59	.06	5:00.....	1.10	0	:06.....	.23	.10	2:20.....	0		:35.....	.34	.24
11:00.....	.59	0	:07.....	1.11	.09	:15.....	.24	.07	3:00.....	.03	0.05	:40.....	.35	.12
:50.....	.62	.04	:08.....	1.13	1.20	:20.....	.24	0	4:32.....	.03	0	:46.....	.36	.10
12:00.....	.63	.06	:10.....	1.15	.60	:35.....	.25	.04	:40.....	.04	.08	:50.....	.37	.15
Feb. 19			:12.....	1.20	1.50	:40.....	.26	.12	:50.....	.05	.06	:54.....	.38	.15
<i>a. m.</i>			:18.....	1.25	.50	:45.....	.26	0	:50.....	.06	.06	4:00.....	.40	.20
1:00.....	.64	.01	:20.....	1.27	.60	9:00.....	.27	.04	:50.....	.06	.06	:10.....	.42	.12
:10.....	.66	.12	:24.....	1.29	.30	:15.....	.28	.04	:50.....	.06	.06	:20.....	.43	.06
:28.....	.67	.03	:40.....	1.29	0	:35.....	.28	0	:50.....	.07	.06	:40.....	.44	.03
:30.....	.68	.05	:50.....	1.30	.06	10:00.....	.29	.02	:50.....	.07	0	5:00.....	.46	.06
:50 <sup>2</sup> .....	.69	.03	6:00.....	1.30	0	11:25.....	.29	0	:50.....	.08	.05	:07.....	.48	.17
STORM OF MAR. 2-4			:16.....	1.32	.08	:31.....	.30	.10	:50.....	.09	.20	:17.....	.49	.06
Mar. 2			:20.....	1.32	0	:45.....	.30	0	:50.....	.11	.20	:20.....	.49	0
<i>a. m.</i>			:40.....	1.35	.09	:55.....	.31	.06	:50.....	.13	.24	:22.....	.50	.30
7:20.....	0		7:00.....	1.38	.09	12:00.....	.32	.12	:50.....	.11	.20	:40.....	.52	.07
8:00.....	.01	0.02	:20.....	1.40	.06	<i>p. m.</i>			:50.....	.13	.24	6:00.....	.54	.06
:18.....	.01	0	:32.....	1.42	.10	12:11.....	.34	.11	:52.....	.14	.30	:10.....	.55	.06
:29.....	.02	.06	9:18.....	1.42	0	:20.....	.35	.07	:54.....	.15	.30	:20.....	.56	.06
:40.....	.03	.06	:20.....	1.43	.30	:27.....	.36	.09	:55.....	.15	0	:40.....	.62	.18
9:00.....	.06	.09	:31.....	1.43	0	:37.....	.38	.12	:56.....	.16	.60	:48.....	.65	.22
:10.....	.08	.18	:44.....	1.58	.60	:40.....	.39	.20	:56.....	.16	.60	:54.....	.67	.20
:20.....	.09	.06	:48.....	1.60	.30	:52.....	.42	.15	6:00.....	.18	.30	7:00.....	.69	.20
:34.....	.10	.04	:58.....	1.64	.24	1:00.....	.44	.15	:35.....	.18	0	:03.....	.70	.20
10:00.....	.14	.09	10:00.....	1.64	0	:20.....	.49	.15	:40.....	.19	.12	:14.....	.72	.11
:26.....	.17	.07	:12.....	1.65	.05	:35.....	.52	.12	:45.....	.20	.12	:19.....	.72	0
11:00.....	.17	0	:20.....	1.66	.08	:40.....	.52	0	:50.....	.20	0	:20.....	.74	1.20
:50.....	.19	.02	:35.....	1.67	.06	:50.....	.54	.12	7:00.....	.21	.30	:30.....	.77	.18
STORM OF MAR. 2-4			11:00.....	1.67	.01	2:00.....	.55	.06	:16.....	.22	.60	:40.....	.80	.18
Mar. 4			12:00.....	1.68	0	:10.....	.56	.06	:19.....	.24	.40	8:00.....	.84	.12
<i>a. m.</i>			STORM OF MAR. 18			:15.....	.56	0	11:35.....	.24	0	:08.....	.85	.08
12:30.....	0		Mar. 18			:20.....	.57	.12	:40.....	.26	.24	:12.....	.88	.45
1:40.....	.01	.01	<i>a. m.</i>			:32.....	.58	.05	:45.....	.27	.12	:20.....	.90	.15
3:30.....	.02	.12	12:30.....	1.68	0	:37.....	.58	0	:50.....	.28	.12	:40.....	.95	.15
:35.....	.21	.06	:40.....	1.69	.06	:40.....	.59	.20	:50.....	.28	.12	:46.....	.98	.30
:43.....	.21	0	:53.....	1.70	.05	:40.....	.64	.15	Apr. 8			:55.....	1.01	.20
:38.....	.24	.60	1:00.....	1.70	0	:27.....	.66	.09	<i>a. m.</i>			9:00.....	1.03	.24
:40.....	.25	.30	:30.....	1.71	.02	:30.....	.68	.17	3:29.....	.28	0	:05.....	1.04	.12
5:00.....	.30	.15	STORM OF MAR. 18			:40.....	.70	.17	:30.....	.31	1.80	:10.....	1.05	.12
:07.....	.31	.09	Mar. 18			:40.....	.72	.09	:35.....	.33	.24	:13.....	1.06	.20
:20.....	.33	.09	<i>p. m.</i>			4:00.....	.74	.06	:39.....	.34	.15	:18.....	1.07	.12
:26.....	.34	.10	5:25.....	0		:10.....	.74	0	:40.....	.35	.60	:29.....	1.10	.13
:40.....	.34	0	:30.....	.01	0.12	:20.....	.75	.06	:43.....	.38	.60	:30.....	1.11	.60
6:20.....	.35	.02	:37.....	.01	0	:40.....	.76	.03	:45.....	.39	.30	:32.....	1.11	0
8:36.....	.35	0	:40.....	.09	1.20	STORM OF APR. 3			:47.....	.39	0	:33.....	1.12	.60
:40.....	.36	.15	:44.....	.13	.80	Apr. 3			:50.....	.40	.20	:38.....	1.12	0
:45.....	.37	.12	:50.....	.17	.60	<i>a. m.</i>			:55.....	.40	0	:40.....	1.14	.60
9:00.....	.39	.08	:55.....	.19	.20	9:40.....	0		4:00.....	.41	.12	:50.....	1.17	.18
:05.....	.41	.24	:57.....	.22	.36	:10.....	.01	0.03	:05.....	.45	.48	:52.....	1.17	0
:11.....	.43	.20	6:00.....	.31	.80	11:00.....	.02	.01	:10.....	.47	.24	:59.....	1.21	.34
:17.....	.46	.30	:01.....	.34	1.80	12:00.....	.02	0	:15.....	.48	.12	10:00.....	1.22	.60
:20.....	.47	.20	:08.....	.38	.34	<i>p. m.</i>			:24.....	.48	0	:05.....	1.23	.12
:40.....	.47	0	:10.....	.39	.30	12:30.....	.03	.02	:30.....	.49	.10	:10.....	1.23	0
:50.....	.48	.06	:25.....	.41	.12	2:06.....	.03	0	:35.....	.49	0	:12.....	1.24	.30
10:35.....	.48	0	:30.....	.44	.15	:07.....	.10	4.20	:40.....	.51	.24	:14.....	1.24	0
:40.....	.49	.12	:34.....	.45	.15	:08.....	.18	4.80	:50.....	.51	0	:15.....	1.25	.60
:54.....	.51	.09	:40.....	.45	0	:10.....	.20	.60	7:00.....	.52	.20	:20.....	1.25	0
11:00.....	.52	.10	:45.....	.45	0	:11.....	.21	.60	:11.....	.52	0	:27.....	1.27	.17
:20.....	.57	.15	:50.....	.45	0	:12.....	.23	1.20	:15.....	.53	.02	:30.....	1.27	0
:31.....	.66	.49	:55.....	.45	0	STORM OF APR. 3			:50.....	.53	0	:40.....	1.28	.06
:40.....	.69	.20	:57.....	.45	0	Apr. 3			:50.....	.54	.06	:50.....	1.29	.06
:50.....	.73	.24	:59.....	.45	0	<i>a. m.</i>			11:32.....	.54	0	11:00.....	1.30	.06
12:00.....	.75	.12	:59.....	.45	0	9:40.....	0		:35.....	.56	.40	:04.....	1.31	.15
			:59.....	.45	0	10:00.....	.01	0.03	:40.....	.56	0	:10.....	1.31	



TABLE 39.—Rainfall at station 14 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 11—Con.			STORM OF APR. 19-20—Con.			STORM OF MAY 15—Con.			STORM OF MAY 23-24—Con.			STORM OF MAY 29-31—Con.		
Apr. 11			Apr. 20			May 15			May 24			May 29		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
11:30	1.34	0.06	1:10	1.51	0	12:18	0.14	0.20	4:24	0.58	6.15	6:35	0.16	0.60
:31	1.34	0	:11	1.52	.60	:20	.16	.60	:34	.58	0	:36	.17	.60
:32	1.36	1.20	:20	1.52	0	:23	.17	.20	:40	.59	.10	:37	.20	1.80
:44	1.37	.05	:27	1.53	.09	:29	.19	.20	:50	.60	.06	:38	.23	1.80
STORM OF APR. 19-20			3:02	1.53	0	:30	.19	0	5:00	.60	0	:39	.27	2.40
Apr. 19			:04	1.54	.30	:37	.22	.26	:20	.62	.06	:40	.29	1.20
<i>a. m.</i>			5:00	1.54	0	:40	.22	0	:30	.62	0	:41	.30	.60
11:00	0		:10	1.55	.06	:50	.23	.06	:40	.64	.12	:42	.32	1.20
:30	.01	0.02	:20	1.55	0	1:00	.23	0	:44	.64	0	:44	.33	.30
:44	.02	.04	:28	1.56	.08	:30	.25	.04	:54	.71	.42	:45	.33	0
:53	.03	.07	:33	1.57	.12	:48	.25	0	6:00	.73	.20	:48	.34	.20
12:00	.04	.09	:40	1.57	0	2:00	.26	.05	:13	.76	.14	:50	.34	0
STORM OF MAY 19			:44	1.58	.15	:13	.27	.05	:20	.80	.34	:55	.35	.12
May 19			:50	1.59	.10	STORM OF MAY 19			:24	.81	.15	9:40	.35	0
<i>p. m.</i>			6:10	1.59	0	May 19			:32	.83	.15	:42	.36	.30
2:35	0		:20	1.61	.12	2:35			:40	.86	.23	:45	.37	.20
:52	.02	0.07	:25	1.63	.24	:52			:43	.87	.20	:50	.37	0
:53	.06	2.40	:36	1.63	0	:53			:52	.89	.13	:53	.39	.40
:54	.09	1.80	:40	1.65	.30	:54			7:00	.93	.30	:55	.39	0
:55	.14	3.00	:05	1.71	.18	:55			:08	.96	.23	10:00	.40	.12
:56	.14	0	7:00	1.73	.24	:56			:20	.98	.10	:05	.41	.12
:58	.15	.30	:12	1.74	.09	:58			:30	1.00	.12	:10	.41	0
3:00	.15	0	:13	1.75	.60	3:00			:40	1.01	.06	:15	.42	.12
:09	.16	.07	:20	1.75	0	:09			:55	1.03	.08	:20	.43	.12
:10	.16	0	:24	1.76	.15	:10			8:08	1.03	0	:30	.44	.06
:14	.17	.15	:35	1.77	.05	:14			:14	1.06	.30	:40	.45	.06
:20	.18	.10	:40	1.79	.24	:20			:20	1.06	0	:50	.45	0
:30	.18	.05	:50	1.82	.18	:30			:40	1.09	.09	:58	.47	.15
:31	.17	.60	:52	1.83	.30	:31			:47	1.10	.09	11:00	.47	0
:42	.18	.05	8:20	1.83	0	:42			9:00	1.14	.18	10	.48	.06
:54	.20	.10	:21	1.84	.60	:44			:05	1.17	.36	May 30		
2:24	.20	0	9:00	1.84	0	:47			:08	1.18	.20	<i>a. m.</i>		
:25	.21	.60	:54	1.85	.01	:50			:10	1.21	.90	1:00	.48	0
:30	.21	0	10:00	1.85	0	:54			:20	1.25	.24	:04	.50	.30
3:00	.22	.02	11:00	1.89	.01	:58			:40	1.29	.12	:14	.50	0
:21	.23	.03	:20	1.89	0	:59			10:00	1.33	.12	:15	.53	1.80
:30	.23	0	:22	1.90	.30	:03			:03	1.34	.20	:16	.54	.60
:50	.24	.03	:30	1.90	0	:09			:09	1.35	.10	:18	.56	.60
4:00	.24	0	:40	1.91	.06	:11			:11	1.36	.30	:20	.58	.60
:30	.25	.02	12:00	1.91	0	:20			:20	1.37	.07	:22	.60	.60
5:00	.28	.06	STORM OF MAY 6			:31			:31	1.39	.11	:24	.62	.60
:30	.32	.08	May 6			:40			:40	1.39	0	:26	.63	.30
6:00	.37	.10	<i>p. m.</i>			:40			11:00	1.41	.06	:28	.65	.60
:05	.38	.12	6:33	0		:40			:04	1.41	0	:30	.65	0
:07	.39	.30	:34	.01	0.60	:40			:12	1.43	.15	:32	.66	.30
:21	.40	.04	:36	.04	.90	:40			:24	1.47	.60	:38	.66	0
:30	.41	.07	:37	.06	1.20	:40			:34	1.51	.24	:51	.68	.09
:36	.42	.10	:38	.07	.60	:40			:44	1.54	.15	:52	.69	.60
:45	.43	.07	:40	.09	.60	:40			:51	1.58	.34	:53	.71	1.20
7:00	.46	.12	:42	.10	.30	:40			:55	1.60	.30	:54	.72	.60
:11	.48	.11	:43	.12	1.20	:40			12:00	1.62	.24	:55	.73	.60
:24	.49	.05	:44	.12	0	:40			STORM OF MAY 29-31			:56	.74	.60
:30	.50	.05	:44	.12	0	:40			<i>p. m.</i>			2:00	.74	0
:44	.54	.17	:45	.13	.60	:40			12:08	1.64	.15	:02	.77	.90
8:00	.57	.11	:46	.13	0	:40			:20	1.65	.05	:4:18	.77	0
:19	.61	.13	:48	.14	.30	:40			:40	1.65	0	5:00	.79	.60
:30	.65	.13	7:08	.14	0	:40			:50	1.66	.02	6:40	.79	0
:34	.66	.15	:10	.16	.60	:40			1:00	1.66	.02	7:00	.80	.03
:36	.68	.60	:11	.20	2.40	:40			:33	1.67	.05	:33	.81	.02
:40	.69	.15	:12	.21	.60	:40			:45	1.67	.05	:47	.82	.04
:43	.70	.20	:14	.21	0	:40			:52	1.68	.09	:47	.82	.05
:54	.73	.16	:15	.22	.60	:40			2:00	1.68	0	8:00	.83	.05
:55	.74	.60	STORM OF MAY 15			:40			:03	1.70	.40	:14	.85	.09
9:00	.74	0	May 15			:40			:05	1.72	1.20	:37	.85	0
:03	.75	.20	<i>a. m.</i>			:40			:10	1.73	.60	:47	.86	.06
:12	.78	.20	11:15	0		:40			:12	1.74	.12	:50	.86	0
:28	.81	.11	:20	.02	0.24	:40			:17	1.75	.30	9:00	.87	.06
:30	.83	.60	:30	.03	.06	:40			:30	1.76	.12	:10	.87	0
:35	.83	0	:36	.04	.10	:40			STORM OF MAY 29-31			:17	.88	.08
:38	.84	.20	:40	.04	0	:40			May 29			:20	.88	0
:39	.85	.60	:40	.04	0	:40			<i>p. m.</i>			:30	.89	.06
:48	.86	.07	:40	.04	0	:40			4:52	0		:37	.90	0
:54	.88	.20	:40	.04	0	:40			:56	.01	0.15	11:00	.92	.05
10:00	.90	.20	:40	.04	0	:40			:57	.02	.60	:30	.93	.02
:10	.95	.30	:40	.04	0	:40			:58	.04	1.20	<i>p. m.</i>		
:20	.99	.24	:40	.04	0	:40			:59	.06	1.20	1:00	.93	0
:30	1.05	.36	:40	.04	0	:40			5:00	.06	0	:10	.94	.06
:40	1.11	.36	:40	.04	0	:40			:01	.07	.60	:26	.95	.04
11:00	1.22	.33	:40	.04	0	:40			:10	.07	0	:30	.95	0
:14	1.28	.26	:40	.04	0	:40			:12	.08	.30	:40	.96	.06
:20	1.32	.40	:40	.04	0	:40			:16	.09	.15	2:06	.96	0
:26	1.36	.40	:40	.04	0	:40			:20	.09	0	:30	.97	.03
:37	1.43	.38	:40	.04	0	:40			:21	.10	.60	:40	.97	0
:40	1.44	.20	:40	.04	0	:40			:22	.11	.60	:50	.98	.06
:44	1.46	.30	:40	.04	0	:40			:23	.12	.60	3:00	.99	.06
:46	1.46	0	:40	.04	0	:40			:28	.13	.12	:30	1.05	.12
12:00	1.48	.09	:40	.04	0	:40			:30	.13	0	:56	1.07	.05
Apr. 20			:40	.04	0	:40			:34	.15	.60	4:00	1.07	0
<i>a. m.</i>			:40	.04	0	:40			STORM OF MAY 29-31			:20	1.09	.06
12:09	1.50	.13	:40	.04	0	:40			May 29			:30	1.11	.12
:15	1.51	.10	:40	.04	0	:40			<i>p. m.</i>			STORM OF MAY 29-31		
:20	1.51	0	:40	.04	0	:40			4:52	0		May 29		
STORM OF MAY 15			:40	.04	0	:40			<i>a. m.</i>			1:00	.93	0
May 15			:40	.04	0	:40			4:52	.01	0.15	:10	.94	.06
<i>a</i>														



TABLE 39.—Rainfall at station 14 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-31—Con.			STORM OF JUNE 10			STORM OF JUNE 18—Con.			STORM OF JUNE 28—Con.			STORM OF JUNE 30-JULY 1—Continued		
May 30			June 10			June 18			June 28			July 1		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
4:36	1.13	0.20	1:00	0	0.60	11:00	0.28	0.20	7:50	0.08	0.45	1:31	0.74	0.20
:44	1.15	.15	:02	.02	0	:02	.29	.30	:55	.13	.60	:40	.74	0
5:00	1.15	0	:05	.02	0	:12	.31	.12	:56	.28	9.00	:55	.75	.04
:30	1.19	.08	:10	.05	.36	:16	.33	.30	:58	.37	2.70	2:00	.76	.12
6:09	1.23	.08	:12	.08	.90	:18	.36	.90	8:00	.44	2.10	:05	.76	0
:30	1.29	.12	:14	.14	1.80	:20	.37	.30	:01	.45	.60	:12	.77	.09
7:00	1.32	.06	:16	.23	2.70	:23	.38	.20	:11	.46	.06	:16	.78	.15
:25	1.33	.02	:17	.32	5.40	:40	.39	.04	:13	.53	1.40			
:30	1.33	0	:20	.52	4.00	<i>p. m.</i>			:20	.54	.09			
8:00	1.36	.06	:22	.65	3.90	12:20	.39	0	:56	.54	0			
:11	1.37	.05	:25	.76	2.20	1:00	.40	.02	:58	.55	.30			
:15	1.38	.15	:27	.79	.90	3:20	.40		9:00	.62	2.10			
:30	1.39	.04	:30	.90	2.20	:22	.41	.30	:02	.69	2.10			
9:00	1.41	.04	:34	1.04	2.10	:28	.43	1.20	:05	.78	1.80			
11:00	1.41	0	:40	1.07	.30	:30	.51	2.10	:06	.79	.60			
:30	1.42	.02	:45	1.08	.12	:34	.52	.15	:08	.85	1.80			
12:00	1.42	0	2:00	1.08	0	:35	.57	3.00	:13	.86	.12			
			:08	1.09	.08	:37	.60	.90	:17	.89	.45			
May 31			:15	1.10	.09	:38	.73	7.90	:20	.90	.20			
<i>a. m.</i>			:20	1.10	0	:40	.82	2.70	:26	.91	.10			
1:00	1.43	.01	:30	1.12	.12	:45	1.21	4.68	:40	.95	.17			
:30	1.44	.02	3:00	1.12	0	:46	1.27	3.60	:46	.97	.20			
2:00	1.45	.02	:20	1.14	.06	:49	1.42	3.00	10:00	1.00	.13			
			:40	1.17	.09	:50	1.44	1.20	:04	1.01	.15			
			4:00	1.18	.03	:52	1.46	.60	11:00	1.01	0			
			5:00	1.19	.01	:53	1.52	3.60	:30	1.02	.02			
						:55	1.54	.60	12:00	1.02	0			
						4:00	1.55	.12	<i>p. m.</i>					
						:15	1.58	.12	2:40	1.03	.02			
						:20	1.58	0						
						:23	1.59	.20						
						:40	1.60	.04						
									STORM OF JUNE 30-JULY 1					
						STORM OF JUNE 23			June 30					
						June 23			<i>p. m.</i>					
						<i>p. m.</i>			4:03	0				
						8:18			:10	.01	0.09			
						:20			:20	.02	.06			
						:21			5:04	.02	0			
						:25			:16	.04	.10			
						:27			:34	.04	0			
						:29			:40	.06	.20			
						:30			:45	.07	.12			
						:33			6:00	.07	0			
						:35			:20	.08	.03			
						:40			:26	.08	0			
						:43			:28	.09	.30			
						:44			:38	.10	.06			
						:50			:40	.13	.90			
						9:00			:42	.16	.90			
						:05			:52	.17	.06			
						:20			7:00	.17	0			
						:40			:20	.18	.03			
						:44			:40	.19	.03			
						:53			:50	.20	.06			
									9:42	.20	0			
									:50	.22	.15			
									:56	.22	0			
									10:00	.23	.15			
									:08	.27	.30			
									:20	.29	.10			
									:24	.29	0			
									:34	.34	.30			
									:40	.36	.20			
									:45	.36	0			
									:49	.37	.15			
									:55	.40	.30			
									11:00	.41	.12			
									:04	.42	.15			
									:05	.44	1.20			
									:10	.47	.36			
									:20	.48	.06			
									:22	.49	.30			
									:31	.54	.33			
									:40	.56	.13			
									:52	.63	.35			
									12:00	.63	0			
									<i>July 1</i>					
									12:05	.65	.24			
									:12	.66	.09			
									:20	.66	0			
									:25	.67	.12			
									:30	.67	0			
									:35	.68	.12			
									:40	.68	0			
									:54	.72	.17			
									1:00	.72	0			
									:10	.73	.06			
									:28	.73	0			
									STORM OF JUNE 28					
						June 28								
						<i>a. m.</i>								
						7:43			0					
						:44			.01	0.60				
						:46			.05	1.20				



TABLE 39.—Rainfall at station 14 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 23—Con.			STORM OF AUG. 18—Con.			STORM OF AUG. 27—Con.			STORM OF AUG. 29-30—Con.			STORM OF SEPT. 24-25—Con.		
July 23		Inches per hour	Aug. 18		Inches per hour	Aug. 27		Inches per hour	Aug. 30		Inches per hour	Sept. 24		Inches per hour
p. m.	Inches		p. m.	Inches		a. m.	Inches		a. m.	Inches		p. m.	Inches	
7:35-----	1.08	1.20	7:00-----	1.02	0	10:22-----	1.11	2.40	2:00-----	0.86	0.08	8:06-----	0.06	0.20
:38-----	1.22	2.50	:40-----	1.03	.02	:26-----	1.18	1.05	:30-----	.89	.06	:08-----	.14	2.40
:40-----	1.37	4.50	8:00-----	1.04	.03	:40-----	1.21	.13	3:22-----	.89	0	:10-----	.28	4.20
:41-----	1.43	3.60	:53-----	1.04	0	:51-----	1.21	0	:25-----	.91	.40	:12-----	.40	3.60
:43-----	1.68	7.50	9:00-----	1.05	.09	:55-----	1.22	.15	4:00-----	.91	0	:14-----	.54	4.20
:45-----	1.88	6.00				11:00-----	1.22	0	:20-----	.92	.03	9:00-----	.56	.03
:47-----	1.98	3.00	STORM OF AUG. 25-26			:30-----	1.23	.02	:40-----	.94	.06	:24-----	.57	.03
:50-----	2.00	.40	Aug. 25						5:00-----	.95	.03	:51-----	.60	.07
:58-----	2.01	.08	p. m.			p. m.			:22-----	.95	0	10:00-----	.64	.27
STORM OF JULY 24			7:20-----	0	0.06	12:40-----	1.23	0	:30-----	.96	.08	:08-----	.66	.15
July 24			:30-----	.01	0.06	1:20-----	1.24	.02	6:00-----	.97	.02	:26-----	.84	.59
p. m.			:35-----	.02	.12	2:15-----	1.24	0	:05-----	.97	0	:34-----	.87	.23
8:30-----	0	0.09	9:30-----	.02	0	:30-----	1.25	.04	:16-----	.98	.05	11:00-----	.89	.05
:37-----	.01	0.09	10:00-----	.03	.02	:45-----	1.29	.60	:20-----	.99	.40	:31-----	.92	.06
:40-----	.05	.80	11:00-----	.03	0	4:53-----	1.32	0	:26-----	1.03	.15	12:00-----	.98	.12
:43-----	.16	2.20	12:00-----	.03	.02	5:00-----	1.33	.10	:33-----	1.13	.85	STORM OF SEPT. 25		
8:50-----	.16	0	:03-----	.04	.20	:05-----	1.34	.12	:40-----	1.19	.51	a. m.		
:57-----	.18	.17	:06-----	.04	0	:20-----	1.39	.20	:43-----	1.24	1.00	12:34-----	1.03	.09
9:00-----	.18	0	:08-----	.11	2.10	:31-----	1.43	.22	:48-----	1.29	.60	1:00-----	1.10	.16
:03-----	.19	.20	:10-----	.12	.30	:40-----	1.44	.07	:55-----	1.33	.34	:18-----	1.14	.13
:10-----	.19	0	:14-----	.14	.30	6:05-----	1.44	0	:08-----	1.38	.60	:28-----	1.18	.24
:40-----	.21	.04	:32-----	.15	.03	:20-----	1.47	.09	:14-----	1.44	.45	:44-----	1.23	.19
:45-----	.22	.12	:40-----	.16	.08	:27-----	1.48	.15	:27-----	1.52	.17	:46-----	1.26	.90
STORM OF JULY 26			12:00-----	.17	.03	:33-----	1.48	0	:29-----	1.56	1.20	2:00-----	1.30	.17
July 26						:40-----	1.50	.17	:40-----	1.68	.65	:06-----	1.32	.20
p. m.			Aug. 26			:51-----	1.54	.22	:42-----	1.70	.60	3:00-----	1.35	.03
5:17-----	0	1.80	a. m.			7:00-----	1.54	0	8:00-----	1.78	.27	4:00-----	1.36	.01
:20-----	.09	4.80	12:07-----	.17	0	:03-----	1.55	.20	:16-----	1.80	.08	5:00-----	1.37	.01
:21-----	.17	.20	:10-----	.20	.60	:10-----	1.59	.34	:20-----	1.80	0	:30-----	1.38	.02
:24-----	.18	.15	:12-----	.21	.30	:20-----	1.62	.18	:30-----	1.82	.12	STORM OF NOV. 1		
:28-----	.19	.15	:20-----	.22	.08	:26-----	1.64	.20	:40-----	1.82	0	Nov. 1		
:37-----	.25	.40	6:42-----	.22	0	:30-----	1.65	.15	9:00-----	1.85	.09	a. m.		
:40-----	.26	.20	:46-----	.25	.45	:46-----	1.65	0	:10-----	1.86	.06	6:28-----	0	0.04
:48-----	.27	.08	:53-----	.26	.09	8:00-----	1.66	.04	:20-----	1.86	0	7:00-----	.02	0.04
:57-----	.31	.27	7:00-----	.26	0	:16-----	1.66	0	:31-----	1.87	.05	8:00-----	.08	.06
6:00-----	.31	0	:10-----	.27	.06	:18-----	1.67	.30	:40-----	1.88	.07	:26-----	.12	.09
:04-----	.33	.30	STORM OF AUG. 27			:20-----	1.73	1.80	10:00-----	1.92	.12	:36-----	.16	.24
:15-----	.33	0	Aug. 27			:22-----	1.80	2.10	:16-----	1.98	.22	:42-----	.24	.80
:20-----	.34	.12	a. m.			:27-----	1.87	.84	:20-----	1.99	.15	:48-----	.28	.40
:30-----	.35	.06	12:24-----	0	0.60	:32-----	2.09	2.64	:23-----	2.00	.20	9:00-----	.30	.10
:40-----	.36	.06	:28-----	.04	1.20	:34-----	2.11	.60	:28-----	2.04	.48	:14-----	.32	.09
7:46-----	.36	0	:29-----	.06	1.20	:40-----	2.14	.30	:40-----	2.08	.20	:26-----	.34	.10
:50-----	.37	.10	:33-----	.08	.30	:45-----	2.15	.12	:54-----	2.11	.13	:32-----	.36	.20
8:00-----	.38	.06	:42-----	.08	0	:55-----	2.17	.12	11:00-----	2.11	0	:48-----	.38	.20
STORM OF JULY 27			:44-----	.11	.90	9:00-----	2.18	.12	:20-----	2.13	.06	10:00-----	.42	.13
July 27			:45-----	.12	.60	:10-----	2.19	.06	:40-----	2.16	.09	:04-----	.44	.30
p. m.			:54-----	.46	.80	STORM OF AUG. 29-30			:10-----	2.20	.12	:34-----	.52	.16
6:02-----	0	1.80	Aug. 29			Aug. 29			:20-----	2.21	.15	:36-----	.56	.18
:04-----	.06	3.00	p. m.			3:23-----	0	3.30	:35-----	2.22	.03	:42-----	.60	.20
:05-----	.11	3.00	:25-----	.11	3.30	:28-----	.17	1.20	:45-----	2.24	.12	:48-----	.62	.20
:07-----	.21	3.00	:32-----	.25	1.20	:34-----	.32	2.10	:52-----	2.25	.09	:10-----	.68	.90
:08-----	.23	1.20	:38-----	.38	.90	:40-----	.38	0	1:00-----	2.25	0	:32-----	.72	.11
:10-----	.25	.60	:40-----	.38	0	:55-----	.41	.60	:40-----	2.26	.02	:40-----	.74	.15
:15-----	.26	.12	:55-----	.41	.60	4:00-----	.41	0	:30-----	2.27	.30	12:00-----	.76	.06
STORM OF JULY 27			4:00-----	.42	.01	5:00-----	.42	0	STORM OF SEPT. 9-10			p. m.		
July 27			:18-----	.42	0	:20-----	.44	.60	Sept. 9			1:00-----	.78	.02
p. m.			:28-----	.47	.22	:28-----	.47	.22	p. m.			2:00-----	.79	.01
6:02-----	0	1.80	:30-----	.51	1.20	:30-----	.51	1.20	11:40-----	0	0.09	3:00-----	.80	.01
:04-----	.06	3.00	:34-----	.55	.60	:34-----	.55	.60	:54-----	.02	.40	4:00-----	.81	.01
:05-----	.11	3.00	:40-----	.58	.30	:40-----	.58	.30	12:00-----	.06	.40	5:00-----	.82	.01
:07-----	.21	3.00	:50-----	.62	.24	:50-----	.62	.24	STORM OF SEPT. 10			:16-----	.83	.04
:08-----	.23	1.20	:55-----	.63	.12	:55-----	.63	.12	Sept. 10			:20-----	.85	.30
:10-----	.25	.60	6:00-----	.63	0	6:00-----	.63	0	a. m.			:26-----	.86	.02
:15-----	.26	.12	:20-----	.65	.06	:20-----	.65	.06	12:16-----	.09	.11	:45-----	.87	.01
STORM OF JULY 27			:27-----	.66	.09	:27-----	.66	.09	:26-----	.10	.06	:50-----	.94	.84
July 27			:40-----	.71	.23	:40-----	.71	.23	:40-----	.12	.09	:54-----	.97	.45
p. m.			:50-----	.74	.18	:50-----	.74	.18	:50-----	.13	.06	:04-----	.98	.10
6:02-----	0	1.80	7:00-----	.75	.20	7:00-----	.75	.20	1:00-----	.14	.06	STORM OF NOV. 5		
:04-----	.11	3.00	:03-----	.76	.40	:03-----	.76	.40	:05-----	.14	0	Nov. 5		
:07-----	.21	3.00	:06-----	.78	0	:06-----	.78	0	:12-----	.15	.09	a. m.		
:08-----	.23	1.20	:20-----	.78	0	:20-----	.78	0	:32-----	.18	.09	8:12-----	0	0.06
:10-----	.25	.60	:35-----	.80	.08	:35-----	.80	.08	2:00-----	.26	.17	9:00-----	.05	.06
:15-----	.26	.12	:40-----	.80	0	:40-----	.80	0	:08-----	.32	.45	:28-----	.10	.11
STORM OF JULY 27			:55-----	.82	.08	:55-----	.82	.08	3:00-----	.33	.01	:44-----	.14	.15
July 27			STORM OF AUG. 29-30			STORM OF SEPT. 24-25			4:00-----	.35	.02	:46-----	.16	.60
p. m.			Aug. 30			Sept. 24			STORM OF SEPT. 24-25			10:00-----	.19	.13
3:08-----	0	1.80	a. m.			p. m.			Sept. 24			:14-----	.23	.17
:09-----	.03	1.80	12:10-----	.82	0	7:56-----	0	0.60	a. m.			11:00-----	.24	.01
:11-----	.04	.30	:52-----	.83	.01	8:00-----	.04	0.60	p. m.			:30-----	.25	.02
:15-----	.08	.60	:52-----	.83	0				12:24-----	.39	.13	:48-----	.41	.05
:51-----	.08	0	:55-----	.84	.02									
:56-----	.20	1.44	:55-----	.84	0									
:59-----	.32	2.40												
6:00-----	.34	1.20												
:02-----	.35	.30												
:05-----	.42	1.40												
:07-----	.51	2.70												
:12-----	.55	.48												
:16-----	.73	2.70												
:18-----	.81	2.40												
:20-----	.82	.30												
:24-----	.84	.30												
:28-----	.97	1.95												
:40-----	.98	.05												
:43-----	.98	0												
:49-----	1.02	.40												



TABLE 39.—Rainfall at station 14 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF NOV. 5—Con.			STORM OF NOV. 11—Con.			STORM OF DEC. 12			STORM OF DEC. 16—Con.			STORM OF DEC. 27-30—Con.		
Nov. 5			Nov. 11			Dec. 12			Dec. 16			Dec. 28		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:56	0.43	0.15	11:00	0.70	0.15	5:00	0	0.02	3:00	0.38	0.20	7:10	0.50	0.12
1:00	.45	.30	:15	.72	.08	6:00	.02	.01	:41	.44	.09	8:00	.52	.02
:08	.46	.08	12:00	.74	.03	7:00	.03	0	4:00	.46	.06	9:00	.53	.01
:20	.49	.15				10:00	.03	.03	:31	.48	.04	:30	.54	.02
:26	.52	.30	<i>p. m.</i>			11:00	.06	.03	5:00	.49	.02	:40	.55	.06
2:00	.54	.04	2:00	.74	0	:20	.07	.03	6:00	.50	.01	10:00	.55	0
3:00	.55	.01	3:00	.76	.02	:40	.02	.06	:28	.52	.04	:40	.55	0
4:00	.56	.01				12:00	.10	.03	11:00	.52	0	:50	.56	.06
:56	.57	.01	STORM OF NOV. 26-27						12:00	.53	.01	11:00	.60	.24
5:00	.58	.15	Nov. 26			<i>p. m.</i>						:20	.65	.15
:28	.59	.02	<i>a. m.</i>			12:32	.12	.04	12:50	.54	.01	12:00	.67	.03
:30	.60	.30	11:41	0	0.13	:42	.14	.12	:55	.56	.24			
STORM OF NOV. 11			12:00	.04		1:00	.16	.07	1:00	.58	.24	Dec. 29		
Nov. 11			<i>p. m.</i>			:08	.17	.08	:10	.59	.06	12:20	.67	0
<i>a. m.</i>			12:08	.08	.30	:20	.19	.10	:14	.62	.45	:30	.72	.30
12:02	0	0.12	:21	.10	.09	2:00	.21	.03	:18	.68	.90	1:00	.73	.02
:22	.04	.20	:23	.12	.12	:12	.22	.05	:23	.72	.48	:40	.75	.03
:28	.06	.15	:25	.14	.17	:17	.23	.12	:50	.73	.02	:50	.78	.18
:36	.08	.15	:26	.16	.16	:22	.26	.36				2:00	.83	.30
1:00	.10	.05	1:00	.18	.16	3:00	.28	.03				:10	.86	.18
2:00	.12	.02	:13	.20	.09	:18	.30	.07				:20	.88	.12
:20	.14	.06	:23	.24	.24	4:00	.32	.03				:30	.90	.12
:40	.16	.06	:28	.26	.12	:10	.33	.06				:40	.92	.12
3:00	.18	.06	:33	.26	.12	5:00	.35	.02				3:00	.97	.15
:10	.20	.12	:39	.33	.70	:14	.36	.04				:30	.99	.04
:20	.22	.12	:50	.40	.39	:26	.40	.20				4:00	1.00	.02
:34	.28	.26	2:00	.48	.48	:38	.46	.30				:18	1.00	0
:50	.30	.08	:27	.57	.20	:52	.50	.17				:28	1.06	.36
4:00	.31	.06	:39	.63	.30	6:00	.51	.08				5:00	1.07	.02
:30	.32	.02	:47	.68	.38	:20	.52	.03				6:00	1.07	0
5:00	.35	.06	3:00	.71	.14	:30	.53	.06				7:00	1.09	.02
:06	.38	.30	:13	.79	.37	7:00	.54	.02				:30	1.11	.04
6:00	.39	.01	:33	.81	.06	8:00	.55	.01				8:00	1.15	.08
:40	.39	0	4:00	.82	.02	9:00	.55	0				9:00	1.18	.03
:56	.40	.04	:07	.83	.09	:06	.56	.10				:20	1.22	.12
7:00	.42	.30	:23	.87	.15	STORM OF DEC. 16						<i>p. m.</i>		
:10	.44	.12	:37	.90	.13	Dec. 16						4:00	1.22	0
:40	.46	.04	5:00	.91	.03	<i>a. m.</i>						:30	1.23	.02
8:00	.47	.03	6:00	.92	.01	12:22	0	0.11				:30	1.24	.03
:26	.48	.02	:15	.93	.04	:56	.06	.11				:50	1.24	.03
:32	.54	.60	:31	.95	.08	1:00	.08	.30				5:00	1.25	.06
:44	.55	.05	7:00	.98	.06	:12	.12	.20				6:00	1.26	.01
9:00	.56	.04	:16	.99	.04	:26	.14	.09				7:00	1.27	.01
:54	.58	.02	:33	1.02	.11	:40	.16	.09				8:00	1.28	.01
10:00	.60	.20	8:00	1.04	.04	2:00	.22	.18				11:00	1.29	T
:24	.62	.05	9:00	1.05	.01	:10	.24	.12				12:00	1.30	.01
:32	.64	.15	10:00	1.06	.01	:16	.28	.40				Dec. 30		
:48	.67	.11	11:00	1.07	.01	:30	.30	.09				<i>a. m.</i>		
			12:00	1.08	.01	:48	.34	.09				1:00	1.31	.01
			Nov. 27									2:00	1.33	.02
			<i>a. m.</i>									3:00	1.38	.05
			1:00	1.09	0.01							4:00	1.40	.02
			:05	1.10	.12							8:00	1.40	0
												9:00	1.42	.02

TABLE 40.—Rainfall at station 27 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF JAN. 14—Con.			STORM OF FEB. 6			STORM OF FEB. 6—Con.			STORM OF FEB. 6—Con.		
Jan. 14			Jan. 14			Feb. 6			Feb. 6			Feb. 6		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:15	0	0.12	8:43	0.58	0.20	6:30	0	0.06	10:00	0.33	0.24	1:40	0.52	0.05
:20	.01	.20	:53	.59	.06	:40	.01	.03	:07	.36	.26	:45	.53	.12
:23	.02	.30	9:00	.61	.17	7:00	.02	.06	:17	.40	.24	3:28	.53	0
:37	.09	0	:16	.61	0	:20	.04	.08	:20	.41	.20	:32	.54	.15
:40	.09	.20	:20	.63	.30	:28	.05	.09	:35	.42	.04	:40	.54	0
:43	.10	.09	:33	.63	.17	:33	.05	.09	:40	.42	.06	4:00	.55	.03
:50	.11	.09	:40	.65	.12	:40	.06	.08	:50	.43	.06			
:54	.13	.20	:45	.66	.24	:55	.08	.08	11:53	.43	.15			
7:00	.13	.15	10:00	.72	.15	8:00	.08	.12	:57	.44		STORM OF FEB. 9-11		
:04	.14	.26	:12	.75	.08	:05	.09	.11				Feb. 9		
:20	.21	.20	:20	.76	.18	:20	.11	.08				<i>a. m.</i>		
:32	.25	.45	:37	.81	.03	:29	.12	.07				12:00	0	
:40	.31	.60	:40	.81	0	:40	.14	.11				<i>p. m.</i>		
:43	.34	.40	11:00	.82	.20	:55	.17	.12				1:00	.01	0.01
:49	.38	.22	:03	.83	.15	9:00	.17	.09				2:50	.01	0
8:00	.42	.28	<i>p. m.</i>			:02	.18	.30				3:00	.02	.06
:13	.48	.50	2:14	.83	0	:13	.19	.05				:30	.02	0
:20	.50	.17	:16	.85	.60	:20	.20	.09						
:32	.55	.25	:20	.86	.15	:33	.22	.09						
:40	.57	.15	:30	.87	.06	:40	.25	.26						



TABLE 40.—Rainfall at station 27 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF FEB. 9-11—Continued			STORM OF FEB. 18-19			STORM OF MAR. 2-4—Continued			STORM OF MAR. 2-4—Continued			STORM OF MAR. 30—Con.		
Feb. 9			Feb. 18			Mar. 2			Mar. 3			Mar. 30		
p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
4:00	0.03	0.02	7:00	0		8:48	0.06	0.08	7:00	1.50	0.12	11:55	0.34	0
:10	.04	.06	:30	.01	0.02	9:00	.08	.10	:20	1.53	.09	12:00	.35	.12
6:15	.04	0	:50	.03	.06	:06	.09	.10	:32	1.54	.05			
:37	.05	.03	8:00	.04	.06	:20	.11	.09	:40	1.55	.08			
7:00	.06	.03	:15	.04	0	:40	.13	.06	9:26	1.55	0	12:05	.36	.12
:10	.07	.06	:50	.06	.03	:51	.15	.11	:29	1.56	.20	:20	.38	.08
:30	.08	.03	9:00	.06	0	10:00	.16	.07	:33	1.60	.60	:23	.39	.20
8:55	.08	0	:20	.08	.06	:20	.18	.06	:40	1.64	.34	:40	.42	.11
9:00	.09	.12	10:00	.09	.02	:25	.19	.12	:42	1.66	.60	:50	.45	.18
:13	.11	.09	11:00	.10	.01	:40	.20	.04	10:00	1.71	.19	1:00	.47	.12
:20	.12	.09	:10	.11	.06	:45	.20	0	:01	1.72	.60	:20	.53	.18
10:00	.13	.02	:22	.11	0	11:00	.21	.04	:11	1.72	0	:31	.56	.16
11:00	.14	.01	:33	.12	.05	:20	.22	.03	:20	1.73	.07	:40	.57	.07
			:50	.13	.04	12:00	.22	0	:30	1.74	.06	2:00	.60	.09
Feb. 10			12:00	.13	0				11:00	1.74	0	:20	.62	.06
a. m.									:25	1.75	.02	:31	.64	.11
2:40	.14	0				12:10	.23	.06	12:00	1.75	0	:40	.65	.07
3:00	.15	.03	12:14	.15	.09	1:00	.23	0				3:00	.69	.12
:10	.16	.06	:23	.16	.07	:20	.24	.03				:20	.73	.12
6:20	.16	0	:30	.17	.09	3:30	.24	0	Mar. 4			:32	.76	.15
:50	.17	.02	:40	.17	0	:34	.25	.15	a. m.			:40	.78	.15
7:00	.17	0	:50	.19	.12	4:35	.25	0	12:30	1.76	.02	:45	.78	0
:20	.18	.03	1:00	.20	.06	:40	.28	.36	1:00	1.77	.02	4:00	.79	.04
9:50	.18	0	:30	.24	.08	:45	.29	.12	:20	1.78	.03	:15	.80	.04
10:00	.19	.08	:55	.25	.02	:51	.30	.10						
:40	.19	0	2:00	.25	0	5:00	.33	.20						
11:00	.20	.03	:10	.26	.08	:09	.34	.07						
:20	.21	.03	:20	.27	.06	:13	.35	.15						
:40	.22	.03	:24	.28	.15	:20	.37	.17						
12:00	.22	0	:28	.28	0	:29	.38	.07						
			:33	.29	.12	:40	.38	0						
			:36	.30	.20	6:00	.39	.03						
			:37	.31	.20	8:40	.39	0	Mar. 18					
			:40	.32	.60	:51	.41	.11	p. m.					
			:46	.33	.10	9:00	.44	.20	5:38	0	0.90	12:20	0	0.06
			:58	.36	.18	:05	.45	.12	:40	.03	.20	:30	.01	0
			3:00	.36	0	:12	.49	.34	:43	.04	.20	1:00	.01	0
			:05	.37	.12	:20	.51	.15	:48	.09	.60	2:00	.02	.01
			:20	.39	.08	:25	.51	0	:50	.11	.60	:02	.02	0
			:24	.40	.15	:40	.53	.08	:56	.14	.30	:05	.03	.20
			:29	.40	0	10:35	.53	0	6:00	.15	.15	:10	.04	.12
			:40	.44	.22	:40	.54	.12	:04	.18	.45	:12	.06	.60
			:41	.45	.60	:50	.55	.06	:05	.21	1.80	:13	.07	.60
			:45	.46	.15	11:00	.59	.24	:10	.25	.30	:16	.21	2.40
			:50	.47	.12	:20	.64	.15	:15	.27	.24	:20	.23	.30
			4:00	.48	.06	:25	.67	.36	:20	.28	.12	:23	.24	.20
			:11	.50	.11	:27	.69	.60	:30	.30	.12	5:53	.24	0
			:17	.51	.10	:40	.74	.23	:34	.31	.15	6:00	.26	.17
			:20	.51	0	:47	.76	.15	:40	.32	.10	:01	.26	0
			:40	.55	.12	12:00	.79	.14	:50	.33	.06	:05	.30	.60
			5:00	.57	.09				7:00	.33	0	:08	.32	.40
			:08	.58	.08	Mar. 3			:10	.34	.06	:10	.33	.30
			:20	.59	.05	a. m.			:15	.35	.12			
			:40	.60	.03	12:13	.80	.05						
			6:00	.60	0	:20	.82	.17						
			:40	.62	.03	:40	.89	.21						
			7:00	.62	0	:55	.94	.20						
			8:00	.65	.03	1:00	.95	.12						
			:00	.67	.02	:20	1.00	.15						
			:30	.69	.04	:40	1.04	.12	Mar. 30					
			:50	.70	.03	:50	1.07	.09	a. m.					
			10:00	.70	0	:10	1.08	.06	4:20	0	0.03	12:10	0	0.01
			11:00	.74	.04	:30	1.09	.01	:40	.01	.03	1:00	.01	0
			:36	.76	.03	7:00	1.10	.02	:50	.02	.03	2:00	.01	0
			12:00	.78	.05	:30	1.10	0	:14	.03	.04	3:00	.02	.01
			Feb. 19			8:00	1.10	.01	:20	.04	.10	4:40	.02	0
			a. m.			9:00	1.11	.01	:25	.05	.12	:47	.04	.17
			12:14	.79	.04	10:00	1.12	.01	:30	.05	0	5:00	.04	0
			:45	.80	.02				:40	.06	.06	:06	.05	.10
			1:00	.80	0				:50	.06	.06	:20	.05	0
			:30	.81	.02				6:00	.10	.12	:30	.06	.06
									:20	.12	.06	:35	.07	.12
									:40	.16	.12	:40	.09	.24
									:45	.18	.24	:44	.11	.30
									:55	.20	.12	:52	.15	.30
									7:00	.20	0	6:00	.17	.15
									:20	.22	.06	:10	.18	.06
									:40	.25	.09	:35	.18	0
									8:00	.26	.03	:40	.20	.24
									:20	.28	.06	:7:15	.20	0
									:40	.30	.06	:18	.22	.40
									9:00	.30	0	10:33	.22	0
									:15	.32	.08	:37	.23	.15
									:20	.32	0	:40	.23	0
									:40	.33	.03	:44	.24	.15
									11:00	.33	0	:50	.25	.10
									:40	.34	.02	:57	.26	.09
Feb. 11			Mar. 2											
a. m.			a. m.											
12:10	.86	.12	7:30	0	0.02									
:20	.89	.13	8:00	.01	.06									
:29	.91	.16	:20	.03	.06									
:40	.94	.06	:40	.05	.06									
:50	.95	.06												

¹ Snow began.

² Snow ended.



TABLE 40.—Rainfall at station 27 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 7-8—Con.			STORM OF APR. 11-12—Con.			STORM OF APR. 19-20—Con.			STORM OF APR. 19-20—Con.			STORM OF MAY 23-24—Con.		
Apr. 8			Apr. 11			Apr. 19			Apr. 20			May 23		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
3:38.....	0.26	0	9:31.....	1.12	0.16	9:32.....	0.94	0.15	9:00.....	2.17	0	1:50.....	0.02	0.06
:40.....	.27	.30	:40.....	1.14	.13	:40.....	.95	.08	10:00.....	2.18	.01	2:00.....	.02	0
:43.....	.28	.20	:55.....	1.19	.20	:47.....	.97	.17				:20.....	.03	.03
:49.....	.29	.10	10:00.....	1.21	.24	:54.....	.99	.17	STORM OF MAY 6			3:00.....	.05	.01
:56.....	.29	0	:09.....	1.24	.20	10:00.....	1.01	.20	May 6			:10.....	.06	.06
4:00.....	.30	.15	:13.....	1.25	.15	:04.....	1.02	.15	p. m.			:30.....	.06	0
:08.....	.34	.30	:20.....	1.26	.09	:12.....	1.06	.30	6:33.....	0		:42.....	.08	.10
:15.....	.35	.09	:25.....	1.26	0	:15.....	1.08	.40	:35.....	.01	0.30	4:00.....	.08	0
:20.....	.35	0	:34.....	1.28	.13	:20.....	1.11	.36	:36.....	.04	1.80	:15.....	.09	.04
:25.....	.36	.12	:40.....	1.28	0	:23.....	1.13	.40	:39.....	.11	1.40	:25.....	.10	.06
6:00.....	.36	0	:43.....	1.29	.20	:32.....	1.17	.26	:40.....	.12	.60	:35.....	.10	0
:54.....	.37	.01	:57.....	1.30	.04	:40.....	1.21	.30	:41.....	.12	0	:52.....	.11	.04
:56.....	.40	.90	:58.....	1.31	.60	:53.....	1.30	.41	:42.....	.15	1.80	5:00.....	.11	0
7:00.....	.44	.60	11:00.....	1.31	0	11:00.....	1.33	.26	:43.....	.17	.40	6:00.....	.12	.01
:04.....	.45	.15	:20.....	1.33	.06	:02.....	1.33	0	:46.....	.20	1.80	7:40.....	.12	0
:10.....	.46	.10	:24.....	1.33	0	:20.....	1.47	.46	:49.....	.25	1.00	:50.....	.13	.06
9:00.....	.46	0	:40.....	1.37	.15	:22.....	1.47	0	:50.....	.28	1.80	9:25.....	.13	0
:15.....	.47	.04	:52.....	1.38	.05	:24.....	1.50	.90	:51.....	.29	.60	:40.....	.14	.04
11:20.....	.47	0	12:00.....	1.38	0	:37.....	1.56	.28	:53.....	.30	.30	10:00.....	.15	.03
:24.....	.48	.15	Apr. 12			:38.....	1.58	1.20	7:00.....	.30	0	:45.....	.15	0
:35.....	.50	.11	a. m.			:40.....	1.59	.30	:07.....	.31	.09	:54.....	.16	.07
:40.....	.50	0	12:40.....	1.39	.02	:45.....	1.60	.12	:10.....	.31	0	11:00.....	.16	0
:50.....	.52	.06	1:00.....	1.39	0	12:00.....	1.62	.08	:11.....	.32	.60	:30.....	.17	.02
STORM OF APR. 11-12			2:00.....	1.40	.01	Apr. 20			:17.....	.36	1.20	:45.....	.17	0
Apr. 11			STORM OF APR. 19-20			a. m.			:18.....	.36	0	12:00.....	.18	.04
p. m.			Apr. 19			12:15.....	1.64	.08	:19.....	.36	1.20	May 24		
12:40.....	0		a. m.			:20.....	1.64	0	:20.....	.39	.60	a. m.		
1:00.....	.02	0.06	10:20.....	0		:30.....	1.65	.06	:20.....	.40	.06	12:40.....	.19	.04
:10.....	.03	.06	:27.....	.01	0.02	:40.....	1.65	0	:30.....	.40		:46.....	.19	0
:20.....	.05	.12	11:00.....	.01	.02	:50.....	1.66	.03	:31.....	.40		:47.....	.20	.60
:27.....	.06	.09	:08.....	.02	.08	:50.....	1.67	.04	:32.....	.40		1:00.....	.22	.10
:40.....	.08	.09	:20.....	.02	0	:50.....	1.67	.06	:33.....	.40		:12.....	.23	.05
2:00.....	.11	.09	:25.....	.03	.12	5:00.....	1.68	0	:34.....	.40		:23.....	.25	.10
:03.....	.12	.20	:40.....	.04	.04	:20.....	1.69	.03	:35.....	.40		:43.....	.28	.09
:10.....	.12	0	:45.....	.05	.12	:25.....	1.70	.12	:36.....	.40		:53.....	.31	.18
:20.....	.13	.06	12:00.....	.08	.12	:31.....	1.71	.10	:37.....	.40		:56.....	.32	.20
:31.....	.14	.05	p. m.			:36.....	1.71	0	11:10.....	0		2:00.....	.32	0
:40.....	.16	.13	12:07.....	.10	.17	:40.....	1.72	.15	:16.....	.02	0.20	:15.....	.34	.08
:45.....	.17	.12	:17.....	.12	.12	6:00.....	1.72	0	:20.....	.03	.15	:30.....	.36	.08
:55.....	.21	.24	:20.....	.12	0	:10.....	1.74	.12	:27.....	.05	.07	:49.....	.39	.09
3:00.....	.22	.12	:25.....	.14	.13	:15.....	1.74	0	:40.....	.06	.07	3:00.....	.40	.05
:12.....	.22	.25	:35.....	.15	.10	:20.....	1.76	.24	:49.....	.08	.15	:30.....	.46	.12
:20.....	.30	.22	:40.....	.15	0	:26.....	1.78	.20	:57.....	.08		:44.....	.48	.08
:23.....	.31	.20	1:00.....	.17	.06	:37.....	1.81	.16	12:00.....	.08	0	:56.....	.51	.15
:24.....	.32	.60	:20.....	.20	.09	:40.....	1.81	0	STORM OF MAY 15			:58.....	.52	.30
:31.....	.36	.34	:30.....	.20	0	7:00.....	1.83	.17	May 15			4:00.....	.52	0
:37.....	.38	.20	:40.....	.22	.12	:04.....	1.87	.40	a. m.			:05.....	.53	.12
:40.....	.38	0	:45.....	.22	0	:06.....	1.91	.30	11:10.....	0		:20.....	.54	.04
4:00.....	.42	.12	2:40.....	.24	.09	:10.....	1.91	0	:16.....	.02	0.20	:30.....	.54	0
:11.....	.44	.11	:41.....	.25	.60	:15.....	1.92	.06	:20.....	.03	.15	:49.....	.59	.09
:20.....	.44	0	3:00.....	.26	.03	:20.....	1.92	0	:37.....	.05	.07	3:00.....	.40	.05
:40.....	.45	.12	:10.....	.27	.06	:27.....	1.92	0	:40.....	.06	.07	:30.....	.46	.12
:45.....	.46	0	:20.....	.27	0	:34.....	1.94	.17	:49.....	.08	.15	:44.....	.48	.08
5:00.....	.47	.06	:25.....	.28	.12	:36.....	1.95	.30	:57.....	.08		:56.....	.51	.15
:10.....	.48	.06	:40.....	.28	0	:45.....	1.96	.15	12:00.....	.08	0	:58.....	.52	.30
:12.....	.49	.30	4:00.....	.29	.03	:50.....	1.98	.24	STORM OF MAY 19			4:00.....	.52	0
:15.....	.49	0	:20.....	.30	.03	8:00.....	1.99	.06	May 19			:05.....	.53	.12
:20.....	.51	.24	:30.....	.31	.03	:15.....	2.00	.04	p. m.			:20.....	.54	.04
:32.....	.52	.05	:40.....	.31	.03	:20.....	2.01	.05	1:13.....	0		:30.....	.54	0
:40.....	.53	.08	5:00.....	.34	.09	:30.....	2.02	.04	:16.....	.01	0.20	:49.....	.59	.09
:55.....	.54	.04	:06.....	.34	0	:40.....	2.03	.05	2:30.....	.01	0	:30.....	.46	.12
6:00.....	.54	0	:20.....	.37	.13	:41.....	2.04	.60	:31.....	.02	.60	:44.....	.48	.08
:15.....	.56	.08	:29.....	.39	.13	:42.....	2.04	0	:34.....	.03	.20	:53.....	.56	.04
:20.....	.56	0	:35.....	.40	.10	:43.....	2.05	.02	:45.....	.03	0	:56.....	.56	0
:25.....	.57	.12	:37.....	.41	.30	:44.....	2.05	0	:46.....	.07	1.20	:58.....	.58	.06
:30.....	.58	.12	:40.....	.41	0	11:00.....	2.07	.12	:47.....	.08	.60	:59.....	.59	.05
:33.....	.58	0	6:00.....	.44	.09	12:00.....	2.08	.02	:50.....	.11	1.80	4:00.....	.63	.80
:40.....	.60	.17	:16.....	.46	.11	p. m.			:51.....	.12	.60	:40.....	.67	.30
7:00.....	.66	.18	:20.....	.46	0	12:40.....	2.09	.02	:52.....	.12	.60	:51.....	.68	.30
:12.....	.69	.15	:30.....	.49	.09	:50.....	2.10	.06	:53.....	.12	.60	:52.....	.70	.21
:20.....	.73	.30	:40.....	.49	.09	:51.....	2.11	.06	:54.....	.12	.60	:53.....	.71	.15
:29.....	.76	.20	7:00.....	.52	.09	:52.....	2.12	.02	:55.....	.12	.60	:54.....	.73	.15
:35.....	.78	.20	:20.....	.55	.09	8:00.....	2.12	.02	:56.....	.12	.60	:55.....	.76	.22
:40.....	.80	.24	:30.....	.57	.12	:07.....	2.12	0	:57.....	.12	.60	:56.....	.77	.15
:51.....	.82	.11	:37.....	.59	.17	:19.....	2.12	0	:58.....	.12	.60	:57.....	.82	.35
8:00.....	.85	.20	:40.....	.60	.20	:20.....	2.13	.04	:59.....	.12	.60	:58.....	.84	.18
:06.....	.86	.10	:07.....	.67	.17	:25.....	2.13	0	:60.....	.12	.60	:59.....	.85	.30
:16.....	.90	.24	:19.....	.69	.10	:30.....	2.14	.02	1:13.....	.01	0.20	:60.....	.86	.60
:20.....	.91	.15	:20.....	.69	0	:45.....	2.14	0	:16.....	.01	0	:61.....	.87	.48
:27.....	.92	.09	:36.....	.77	.30	:57.....	2.15	.05	2:30.....	.02	.60	:62.....	.89	.22
:35.....	.94	.15	:40.....	.78	.15	6:00.....	2.15	0	:31.....	.03	.20	:63.....	.90	.24
:40.....	.95	.12	9:00.....	.84	.18	:50.....	2.16	.01	:34.....	.03	.20	:64.....	.91	.24
9:00.....	1.03	.24	:11.....	.89	.27	7:00.....	2.16	0	:45.....	.03	0	:65.....	.92	.24
:05.....	1.05	.24	:15.....	.89	0	8:00.....	2.17	.01	:50.....	.07	1.20	:66.....	.93	.24
:06.....	1.06	.60	:20.....	.90	.12	STORM OF MAY 23-24			:51.....	.08	.60	:67.....	.94	.24
:10.....	1.06	0	:24.....	.92	.30	May 23			:52.....	.11	1.80	:68.....	.95	.24
:20.....	1.09	.18				p. m.			:53.....	.12	.60	:69.....	.96	.24
						1:00.....	0		:54.....	.12	.60	:70.....	.97	.22
						:40.....	.01	0.01	:55.....	.12	.60	:71.....	.98	.22
									:56.....	.12	.60	:72.....	.99	.24
									:57.....	.12	.60	:73.....	1.02	.12
									:58.....	.12	.60	:74.....	1.03	.20
									:59.....	.12	.60	:75.....	1.04	.05
									:60.....	.12	.60	:76.....	1.04	0
									:61.....	.12	.60	:77.....	1.05	.06
									:62.....	.12	.60	:78.....	1.06	.12



TABLE 40.—Rainfall at station 27 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 23-24—Con.			STORM OF MAY 29-30—Con.			STORM OF JUNE 8—Con.			STORM OF JUNE 11—Con.			STORM OF JUNE 23		
May 24			May 30			June 8			June 11			June 23		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
9:08	1.26	2.40	4:20	0.67	0	2:52	0.12	0.90	1:20	0.31	4.80	8:22	0	
10	1.28	.60	4:40	.68	.03	3:55	.14	.40	2:23	.34	.60	8:24	.12	3.60
12	1.29	.30	5:00	.69	.06	3:00	.14	0	2:27	.42	1.20	8:26	.26	4.20
20	1.32	.22	5:00	.69	0	1:00	.15	.06	2:29	.50	2.40	8:28	.34	2.40
40	1.36	.12	6:00	.70	.01	5:56	.15	0	3:32	.53	.60	8:30	.44	3.00
53	1.39	.15	14	.70	0	4:00	.28	1.95	4:00	.54	.08	8:31	.51	4.20
10:00	1.40	.09	28	.71	.04	5:05	.47	2.28	5:00	.55	.06	8:36	.64	1.56
06	1.40	0	33	.72	.12	5:08	.48	.20				8:40	.65	.15
07	1.42	1.20	36	.73	.20	5:19	.48	0	STORM OF JUNE 12			8:46	.66	.10
20	1.44	.10	7:21	.73	0	5:20	.49	.60	June 12			8:50	.66	0
30	1.45	.06	31	.74	.06	5:23	.54	1.00	p. m.			8:56	.67	.10
40	1.45	0	35	.75	.15	STORM OF JUNE 9			12:15	0		9:00	.68	.15
55	1.47	.08	40	.75	0	June 9			17	.07	2.10	9:06	.70	.20
11:00	1.47	0	43	.76	.20	a. m.			20	.08	.20	10	.71	.15
14	1.48	.04	8:00	.78	.07	12:56	0		30	.09	.06	14	.72	.15
19	1.49	.12	13	.79	.05	1:00	.01	0.15	40	.10	.06	20	.73	.10
20	1.51	1.20	30	.79	0	24	.01	0	5:53	.10	0	30	.77	.24
23	1.53	.40	37	.80	.09	26	.02	.30	59	.11	.30	40	.79	.12
28	1.55	.24	9:00	.83	.07	29	.09	1.40	9:00	.22	1.20	46	.80	.10
36	1.57	.15	14	.87	.18	32	.11	.40	03	.24	.40	50	.80	0
40	1.59	.30	20	.88	.10	48	.11	0	04	.25	.60	55	.81	.12
44	1.60	.15	10:00	.88	0	55	.12	.09	15	.26	.09	STORM OF JUNE 25		
48	1.63	.45	11:00	.90	0	STORM OF JUNE 10			STORM OF JUNE 18			June 25		
12:00	1.66	.15	12:00	.91	.01	June 10			June 18			p. m.		
12:07	1.67	.09	STORM OF JUNE 7			p. m.			a. m.			3:33	0	
1:20	1.67	0	June 7			3:45	.12	0	7:48	0		36	.01	0.20
22	1.68	.30	a. m.			48	.23	2.20	50	.08	2.40	4:10	.01	0
40	1.69	.03	1:00	.91	0	49	.28	3.00	52	.09	.30	11	.02	.60
58	1.70	.03	25	.93	.05	50	.31	1.80	56	.10	.15	13	.10	2.40
2:00	1.71	.30	2:00	.95	.03	51	.33	1.20	59	.10	0	16	.13	.60
02	1.73	.60	10	.96	.06	53	.43	3.00	8:00	.12	0	6:41	.13	0
03	1.75	1.20	40	.96	0	57	.60	2.55	03	.12	.40	45	.15	.30
05	1.76	.30	47	.97	.09	58	.62	1.20	20	.17	.18	50	.17	.24
12	1.78	.18	3:00	.99	0	4:00	.63	.30	28	.19	.15	52	.18	.30
16	1.79	.15	14	1.01	.09	03	.64	.20	40	.20	.05	7:12	.18	0
STORM OF MAY 29-30			20	1.02	.10	10	.65	.09	48	.20	0	13	.21	1.80
May 29			24	1.03	.15	30	.65	0	54	.22	.20	20	.22	.09
p. m.			35	1.04	.06	55	.66	.02	55	.23	.60	STORM OF JUNE 28		
4:50	0		40	1.04	0	STORM OF JUNE 11			June 28			June 28		
53	.01	0.20	55	1.06	.08	June 11			a. m.			7:39	0	
54	.02	.60	4:00	1.06	0	p. m.			12:10	.38	0	40	.02	1.20
55	.04	1.20	15	1.08	.08	1:07	0		1:00	.39	.01	41	.10	4.80
5:00	.04	0	20	1.08	0	10	.04	0.80	30	.40	.02	43	.21	3.30
15	.05	.04	22	1.09	.30	17	.09	.43	3:21	0		45	.33	3.60
20	.06	.12	34	1.12	.15	19	.19	3.00	22	.05	3.00	47	.41	2.40
21	.07	.60	40	1.14	.20	20	.23	2.40	25	.09	.80	50	.49	1.60
30	.08	.07	54	1.24	.09	22	.30	2.10	27	.19	3.00	55	.54	.60
40	.09	.06	6:00	1.24	0	25	.38	1.60	28	.22	1.80	57	.58	1.20
6:32	.09	0	14	1.26	.09	27	.47	2.70	30	.24	.60	59	.66	2.40
33	.10	.60	20	1.26	0	29	.54	2.10	33	.33	1.80	8:00	.66	0
35	.13	.90	35	1.28	.08	30	.56	1.20	35	.37	2.40	09	.67	.07
37	.19	1.80	40	1.28	0	35	.65	1.08	37	.43	3.60	10	.71	2.40
40	.21	.40	53	1.30	.09	40	.66	.12	39	.61	5.40	12	.73	.40
53	.24	.15	7:00	1.30	0	2:07	.66	0	42	.75	4.20	15	.74	.12
9:36	.24	0	22	1.31	.03	15	.68	.15	43	.75	4.20	20	.75	.12
37	.25	.60	38	1.32	.04	20	.68	0	44	.82	4.20	25	.76	.12
39	.28	.90	8:00	1.34	.06	25	.69	.12	45	.88	4.20	30	.77	.17
40	.30	1.20	12	1.35	.05	3:00	.70	.02	47	.98	6.00	37	.77	.17
48	.32	.60	45	1.38	.06	10	.70	0	48	1.05	2.10	40	.78	.12
50	.33	.30	9:00	1.39	.04	22	.71	.05	49	1.06	.60	46	.79	.12
54	.35	.30	36	1.40	.02	30	.73	.15	50	1.08	.60	50	.80	.12
10:00	.35	0	STORM OF JUNE 8			4:00	.74	.02	51	1.09	.60	55	.81	.12
04	.36	.15	June 8			7:03	.74	0	56	1.10	.12	STORM OF JUNE 23		
13	.38	.14	p. m.			07	.75	.15	4:00	1.11	.15	June 23		
20	.39	.09	11:40	0		15	.77	.15	06	1.12	.10	a. m.		
32	.40	.05	45	.02	0.24	STORM OF JUNE 11			12:10	.38	0	7:39	0	
37	.41	.12	STORM OF JUNE 7			June 11			1:00	.39	.01	40	.02	1.20
40	.41	0	June 7			p. m.			3:21	0		41	.10	4.80
44	.43	.07	a. m.			12:15	0		22	.05	3.00	43	.21	3.30
56	.43	0	12:40	.02	0	40	.01	0.02	25	.09	.80	45	.33	3.60
11:00	.43	0	56	.03	.04	49	.01	0	27	.19	3.00	47	.41	2.40
12:00	.44	.01	1:00	.03	0	54	.02	.12	28	.22	1.80	50	.49	1.60
STORM OF MAY 29-30			05	.05	.24	1:00	.03	.10	30	.24	.60	55	.54	.60
May 30			STORM OF JUNE 8			01	.06	1.80	33	.33	1.80	57	.58	1.20
a. m.			June 8			03	.07	.30	35	.37	2.40	59	.66	2.40
1:12	.44	0	p. m.			08	.08	.12	37	.43	3.60	8:00	.66	0
16	.45	.15	2:32	0		11	.13	1.00	39	.75	4.20	09	.67	.07
18	.50	1.50	37	.04	0.48	14	.16	.60	42	.82	4.20	10	.71	2.40
20	.52	.60	40	.04	0	16	.21	1.50	43	.88	4.20	12	.73	.40
22	.53	.30	43	.05	.20	19	.23	.40	45	.98	6.00	15	.74	.12
26	.59	.90	45	.07	.60	STORM OF JUNE 11			47	1.05	2.10	20	.75	.12
27	.60	.60	50	.09	.24	June 11			48	1.06	.60	25	.76	.12
34	.61	.09	STORM OF JUNE 8			p. m.			49	1.08	.60	30	.77	.17
40	.61	0	June 8			12:15	0		50	1.09	.60	37	.77	.17
53	.62	.05	p. m.			40	.01	0.02	51	1.10	.12	40	.78	.12
54	.64	1.20	2:32	0		49	.01	0	56	1.10	.12	46	.79	.12
56	.65	.30	37	.04	0.48	1:00	.03	.10	4:00	1.11	.15	50	.80	.12
2:00	.67	.30	40	.04	0	01	.06	1.80	06	1.12	.10	55	.81	.12



TABLE 40.—Rainfall at station 27 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 30-JULY 1			STORM OF JULY 22			STORM OF JULY 26-Con.			STORM OF AUG. 25-26-Con.			STORM OF AUG. 27-Con.		
June 30			July 22			July 26			Aug. 26			Aug. 27		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
4:00	0		2:59	0		5:40	0.14	0.36	12:06	0.15	0	6:20	1.51	0
:10	.01	0.06	3:00	.03	1.80	:55	.15	.04	:10	.20	.75	:40	1.53	.06
5:00	.01	0	:01	.05	1.20	6:00	.17	.24	:25	.22	.08	:53	1.58	.23
:15	.04	.12	:05	.09	.60	:05	.18	.12	6:40	.22	0	7:00	1.58	0
:32	.04	0	:06	.15	30.6	:21	.18	0	:52	.25	.15	:05	1.59	.12
:35	.05	.20	:10	.19	.60	:24	.20	.40	7:00	.25	0	:20	1.65	.24
:42	.06	.09	:12	.20	.30	:40	.20	0	:35	.27	.03	:28	1.67	.15
:43	.07	.60	:15	.26	1.20	:45	.21	.12	STORM OF AUG. 27			:40	1.69	.10
6:00	.07	0	:20	.30	.48	7:40	.21	0	Aug. 27			:48	1.69	0
:25	.08	.02	:22	.31	.30	:48	.23	.15	<i>a. m.</i>			:51	1.70	.20
:33	.09	.08	:26	.36	.75	:52	.26	.45	12:24	0		8:00	1.70	0
:37	.09	0	:28	.40	1.20	8:00	.29	.22	:27	.02	0.40	:20	1.71	.03
:41	.12	.45	:30	.43	.90	:02	.31	.60	:28	.04	1.20	:22	1.71	0
:50	.14	.13	:33	.45	.40	9:00	.31	0	:34	.06	.20	:26	1.81	1.50
7:00	.14	0	:40	.46	.09	10:00	.32	.01	:40	.07	.10	:33	1.86	.43
:30	.15	.02	4:02	.46	0	STORM OF JULY 27			:46	.07	0	:36	2.00	2.80
:41	.15	0	:20	.47	.03	July 27			:50	.21	2.10	:37	2.02	1.20
:45	.16	.15	5:00	.48	.02	0.07 (1)			:51	.23	1.20	:40	2.07	1.00
:55	.17	.06	:10	.50	.12	STORM OF AUG. 14			:53	.34	3.30	:42	2.08	.30
9:41	.17	0	:16	.58	.80	Aug. 14			:56	.46	2.40	9:00	2.11	.10
:48	.19	.17	:25	.59	.07	<i>p. m.</i>			:58	.47	.30	:11	2.13	.11
:58	.19	0	STORM OF JULY 23			1:30			:58	.47	0	:20	2.13	0
10:00	.21	.60	July 23			4:00			:58	.49	.08	STORM OF AUG. 29-30		
:04	.23	.30	<i>p. m.</i>			1:30			:58	.49	.84	Aug. 29		
:12	.25	.15	12:17			4:00			:58	.56	1.20	<i>p. m.</i>		
:20	.26	.08	:18			4:00			:58	.66	1.20	3:24		
:25	.27	.12	:20			4:00			:58	.68	.40	:34		
:35	.31	.24	:22			4:00			:58	.69	.10	:35		
:40	.32	.12	:25			4:00			:58	.70	.60	:40		
:43	.32	0	:27			4:00			:58	.80	1.20	:50		
11:00	.38	.21	:29			4:00			:58	.82	1.20	4:32		
:08	.41	.22	:30			4:00			:58	.84	.24	:33		
:12	.42	.15	:40			4:00			:58	.01	.01	:36		
:20	.43	.08	:40			4:00			:58	.01	0	:36		
:31	.48	.27	:40			4:00			:58	.02	.04	:40		
:35	.49	.15	:40			4:00			:58	.09	.70	:43		
:51	.51	.24	:40			4:00			:58	.10	.60	:50		
:43	.52	.20	:40			4:00			:58	.12	0	4:32		
:51	.56	.30	:40			4:00			:58	.13	.13	:33		
12:00	.57	.07	:40			4:00			:58	.14	.15	:36		
July 1			2:07			0			:58	.16	.30	:40		
<i>a. m.</i>			:13			.05			:58	.16	0	:54		
12:06	.59	.20	3:00			.06			:58	.19	.36	6:00		
:28	.59	0	5:01			.06			:58	.20	.60	:10		
:31	.60	.20	:03			.11			:58	.23	.22	:20		
:40	.61	.07	:07			.15			:58	.26	.30	:40		
:49	.63	.13	7:30			.16			:58	.27	.30	:43		
:54	.65	.24	:36			.18			:58	.35	2.40	:50		
1:25	.65	0	:38			.22			:58	.36	.20	4:43		
:40	.66	.04	:40			.30			:58	.44	.30	:40		
:55	.67	.04	:42			.39			:58	.44	.30	:43		
2:00	.68	.12	:43			.41			:58	.44	.30	:44		
:10	.69	.06	:45			.50			:58	.44	.30	:45		
:15	.70	.12	:45			.50			:58	.44	.30	:46		
STORM OF JULY 11			:45			.50			:58	.44	.30	:46		
July 11			:45			.50			:58	.44	.30	:46		
<i>p. m.</i>			:45			.50			:58	.44	.30	:46		
3:00	0		8:34			0			:58	.44	.30	:46		
:10	.10	0.60	:38			.05			:58	.44	.30	:46		
4:00	.12	.02	:40			.11			:58	.44	.30	:46		
:35	.12	0	:42			.16			:58	.44	.30	:46		
:40	.13	.12	:45			.17			:58	.44	.30	:46		
5:02	.13	0	:52			.17			:58	.44	.30	:46		
:03	.19	3.60	9:00			.18			:58	.44	.30	:46		
:06	.25	1.20	:20			.19			:58	.44	.30	:46		
:10	.26	.15	:35			.21			:58	.44	.30	:46		
:22	.26	0	:45			.23			:58	.44	.30	:46		
:27	.35	1.08	STORM OF JULY 26			STORM OF JULY 24			:58	.44	.30	:46		
:31	.38	.45	July 26			July 24			:58	.44	.30	:46		
:40	.40	.13	<i>p. m.</i>			<i>p. m.</i>			:58	.44	.30	:46		
6:45	.40	0	5:20			5:20			:58	.44	.30	:46		
7:30	.41	.01	:23			.06			:58	.44	.30	:46		
10:42	.41	0	:26			.08			:58	.44	.30	:46		
:44	.42	.30	:30			.08			:58	.44	.30	:46		
:50	.43	.10	:30			.08			:58	.44	.30	:46		
11:00	.44	.06	:30			.08			:58	.44	.30	:46		



TABLE 40.—Rainfall at station 27 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 29-30—Con.			STORM OF SEPT. 24-25—Con.			STORM OF NOV. 5—Con.			STORM OF NOV. 26—Con.			STORM OF DEC. 27-30		
Aug. 30			Sept. 24			Nov. 5			Nov. 26			Dec. 27		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:36-----	0.85	0.30	8:20-----	0.40	3.60	10:00-----	0.18	0.13	4:00-----	0.86	0.02	3:42-----	0	
:40-----	.89	.60	:32-----	.42	.10	:20-----	.22	.12	:10-----	.87	.06	4:00-----	.04	0.13
:46-----	.93	.40	9:00-----	.43	.02	11:00-----	.23	.02	:30-----	.92	.15	5:00-----	.28	.24
:58-----	1.01	.40	:32-----	.44	.02	:26-----	.25	.05	5:00-----	.94	.04	6:00-----	.36	.08
7:00-----	1.04	.90	:52-----	.48	.12	:32-----	.28	.30	6:00-----	.98	.04	7:00-----	.38	.02
:18-----	1.14	.33	10:00-----	.50	.15	:50-----	.30	.07	:10-----	.99	.06	8:00-----	.40	.02
:20-----	1.18	1.20	:20-----	.56	.18	:56-----	.32	.20	:20-----	1.00	.06	9:00-----	.42	.02
:29-----	1.20	.13	:34-----	.74	.77	12:00-----	.34	.30	:40-----	1.04	.12	10:00-----	.44	.02
:30-----	1.22	1.20	11:00-----	.78	.09				7:00-----	1.07	.09	11:00-----	.46	.02
:40-----	1.29	.42	:29-----	.81	.06				:30-----	1.12	.10	12:00-----	.47	.01
:46-----	1.33	.40	12:00-----	.84	.06				:40-----	1.13	.02			
:52-----	1.35	.20							8:00-----	1.14	.02	Dec. 28		
8:00-----	1.38	.22	Sept. 25						9:00-----	1.16	.06	<i>a. m.</i>		
:20-----	1.40	.06	<i>a. m.</i>						:50-----	1.17	.01	3:00-----	.47	0
:36-----	1.43	.11	12:39-----	.88	.06							4:00-----	.48	.01
:40-----	1.43	0	1:00-----	.94	.17				STORM OF DEC. 12			6:00-----	.48	0
9:00-----	1.45	.06	:09-----	1.00	.40				Dec. 12			7:00-----	.50	.02
:08-----	1.46	.08	:25-----	1.02	.08				<i>a. m.</i>					
:20-----	1.46	0	:33-----	1.08	.45				6:00-----	0		6:10-----	0	0
:30-----	1.47	.06	:49-----	1.14	.23				7:00-----	.03	0.03	:30-----	.03	.09
:40-----	1.49	.12	2:00-----	1.18	.22				8:00-----	.04	.01	:50-----	.09	.18
10:00-----	1.52	.09	:29-----	1.23	.10				9:00-----	.05	.01	7:00-----	.11	.12
:05-----	1.53	.12	3:00-----	1.25	.04				10:00-----	.06	.01	:10-----	.12	.06
:20-----	1.58	.20	4:00-----	1.28	.03				11:00-----	.07	.01	8:00-----	.13	.01
:27-----	1.61	.26	5:00-----	1.29	.01				:20-----	.08	.03	9:00-----	.14	.01
:40-----	1.65	.18	6:00-----	1.31	.02				:40-----	.10	.06	:40-----	.17	.05
:47-----	1.68	.26	7:00-----	1.32	.01				12:00-----	.11	.03	10:00-----	.18	.03
11:00-----	1.70	.09	8:00-----	1.33	.01							:40-----	.18	0
:12-----	1.70	0										:50-----	.19	.06
:20-----	1.71	.08	STORM OF NOV. 1			Nov. 11						11:00-----	.21	.12
:28-----	1.73	.15	Nov. 1			<i>a. m.</i>			12:20-----	.12	.03	:10-----	.25	.24
:40-----	1.74	.05	<i>a. m.</i>			12:01-----	0	0.11	:30-----	.13	.06	:30-----	.27	.06
:44-----	1.74	0	6:34-----	0	0.05	:18-----	.03	.19	:40-----	.14	.06	:40-----	.28	.06
:50-----	1.76	.20	7:00-----	.02	.08	:37-----	.09	.03	1:00-----	.15	.03	:50-----	.29	.06
12:00-----	1.79	.18	:30-----	.06	.08	1:00-----	.10	0	:10-----	.16	.06	12:00-----	.30	.06
			8:00-----	.08	.04	:43-----	.12	.06	:20-----	.18	.12			
<i>p. m.</i>			:32-----	.12	.08	2:00-----	.13	.04	2:00-----	.20	.03	Dec. 29		
12:25-----	1.80	.02	:40-----	.16	.30	3:00-----	.18	.05	:10-----	.21	.06	<i>a. m.</i>		
:35-----	1.80	0	:44-----	.24	1.20	:17-----	.23	.18	:20-----	.22	.06	12:22-----	.31	.03
:50-----	1.81	.04	:48-----	.26	.30	:23-----	.26	.30	:25-----	.24	.24	:26-----	.35	.60
1:00-----	1.81	0	:52-----	.30	.60	:37-----	.36	.43	:45-----	.25	.03	1:00-----	.35	0
:10-----	1.82	.06	9:00-----	.32	.15	:41-----	.42	.90	3:00-----	.26	.04	:30-----	.36	.02
:40-----	1.83	.02	:16-----	.34	.08	4:00-----	.43	.03	:40-----	.28	.04	:40-----	.37	.06
3:40-----	1.83	0	:22-----	.36	.20	:29-----	.44	.02	4:00-----	.32	.08	2:00-----	.47	.30
4:16-----	1.84	.02	:32-----	.38	.12	:43-----	.46	.09	:10-----	.34	.12	:10-----	.49	.12
:20-----	1.85	.15	:48-----	.44	.23	5:00-----	.48	.07	5:00-----	.35	.01	:20-----	.53	.24
:28-----	1.86	.08	10:00-----	.46	.10	:06-----	.50	.20	:10-----	.36	.06	:30-----	.55	.12
:40-----	1.87	.05	:16-----	.50	.15	6:00-----	.51	.01	:20-----	.38	.12	:40-----	.61	.36
			:36-----	.58	.24	:53-----	.52	.01	:30-----	.42	.24	3:00-----	.63	.06
STORM OF SEPT. 9-10			11:00-----	.66	.20	7:00-----	.54	.17	:40-----	.46	.24	:20-----	.65	.06
Sept. 9			:09-----	.70	.27	:05-----	.55	.12	6:00-----	.50	.12	:30-----	.67	.12
<i>p. m.</i>			:14-----	.74	.48	:10-----	.56	.12	7:00-----	.52	.02	4:00-----	.68	.02
11:38-----	0	0.90	:25-----	.78	.22	:14-----	.57	.15	8:00-----	.54	.02	:10-----	.68	0
:40-----	.03	.06	:36-----	.82	.22	:40-----	.58	.02				:20-----	.69	.06
12:00-----	.05		:54-----	.87	.17	8:00-----	.60	.06	STORM OF DEC. 16			:30-----	.71	.12
			12:00-----	.88	.10	:27-----	.62	.04	Dec. 16			5:00-----	.73	.04
Sept. 10						:33-----	.66	.40	<i>a. m.</i>			6:00-----	.74	.01
<i>a. m.</i>						:43-----	.68	.12	12:15-----	0	0.10	7:00-----	.75	.01
12:10-----	.06	.06	<i>p. m.</i>			9:00-----	.69	.04	:50-----	.06	.06	:30-----	.77	.04
:20-----	.08	.12	1:00-----	.90	.02	10:00-----	.74	.05	:10-----	.10	.24	8:00-----	.81	.08
:30-----	.10	.12	2:00-----	.92	.01	:23-----	.76	.05	:20-----	.14	.24	9:00-----	.83	.02
:50-----	.11	.03	3:00-----	.93	.01	:43-----	.82	.18	:30-----	.20	.18	10:00-----	.87	.04
1:00-----	.12	.06	:21-----	.94	0	11:00-----	.85	.11	:40-----	.22	.06			
:06-----	.13	.10	:25-----	.94	0	12:00-----	.86	.01	:50-----	.22	.06	<i>p. m.</i>		
:15-----	.16	.20	5:00-----	.95	.02				2:00-----	.26	.24	4:10-----	.87	0
:23-----	.19	.23	:23-----	.96	.03				:05-----	.30	.48	5:00-----	.91	.05
:33-----	.22	.18	:28-----	.98	.24				:20-----	.32	.08	6:00-----	.93	.02
2:00-----	.30	.18	6:00-----	.99	.02				:40-----	.36	.12	7:00-----	.94	.01
:10-----	.34	.24	:30-----	1.00	.02				3:00-----	.42	.18	8:00-----	.95	.01
3:00-----	.36	.02	:53-----	1.01	.03				:40-----	.48	.12	9:00-----	.96	.01
:30-----	.38	.04	:55-----	1.06	1.50				:30-----	.50	.04	10:00-----	.97	.01
:40-----	.39	.06	7:00-----	1.09	.36				4:00-----	.54	.04	11:00-----	.98	.01
			:04-----	1.10	.15				5:00-----	.55	.01	12:00-----	.99	.01
STORM OF SEPT. 24-25			:09-----	1.16	.72							Dec. 30		
Sept. 24			:25-----	1.17	.04							<i>a. m.</i>		
<i>p. m.</i>			Nov. 5									1:00-----	.99	0
8:00-----	0		<i>a. m.</i>									2:00-----	1.00	.01
:09-----	.02	0.13	8:24-----	0								3:00-----	1.01	.01
:12-----	.08	1.20	9:00-----	.04	0.07							4:00-----	1.02	.01
:14-----	.14	.60	:28-----	.09	.11							5:00-----	1.02	0
:16-----	.16	.60	:46-----	.15	.20							6:00-----	1.03	.01
:18-----	.28	3.60												



TABLE 41.—*Rainfall at station 44 for selected storms, 1940*

[illegible]

<sup>1</sup> No intensity record.



TABLE 41.—Rainfall at station 44 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 11—Con.			STORM OF APR. 19-20—Con.			STORM OF APR. 19-20—Con.			STORM OF MAY 19—Con.			STORM OF MAY 23-24—Con.		
Apr. 11			Apr. 19			Apr. 20			May 19			May 24		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
1:00	0.02	0	12:10	0.09	0.18	1:00	1.66	0	3:15	0.19	0.30	12:10	1.58	0.06
1:10	.03	.06	2:00	.11	.12	1:10	1.67	0.06	2:00	.20	.12	12:20	1.59	.06
2:00	.05	.12	2:26	.12	.07	2:00	1.68	.02				1:00	1.59	0
2:10	.08	.09	2:40	.13	.05	2:10	1.69	.03	STORM OF MAY 23-24				1.60	.06
2:20	.12	.12	2:54	.15	.06	2:20	1.70	.06						
2:30	.13	.03	3:00	.17	.04	2:30	1.71	.20						
2:40	.14	.06	3:10	.18	.02	2:40	1.72	.60						
2:50	.16	.12	3:26	.18	0	2:50	1.73	.30						
3:00	.19	.18	3:46	.20	.06	3:00	1.74	.60						
3:10	.22	.18	4:00	.22	0	3:10	1.76	1.20						
3:20	.24	.30	4:10	.24	.02	3:20	1.77	.01						
3:30	.25	.30	4:20	.25	.07	3:30	1.77	0						
3:40	.27	.30	4:30	.30	.10	3:40	1.78	.01						
3:50	.31	.24	4:40	.33	.06	STORM OF MAY 6								
4:00	.32	.24	4:50	.33	.07									
4:10	.32	.24	5:00	.33	.07									
4:20	.34	.40	5:10	.38	.07									
4:30	.36	.40	5:20	.39	.07									
4:40	.38	.30	5:30	.40	.04									
4:50	.39	.10	5:40	.41	.30									
5:00	.43	.12	5:50	.43	.11									
5:10	.44	.07	6:00	.43	0									
5:20	.45	.12	6:10	.44	.07									
5:30	.45	0	6:20	.45	.07									
5:40	.47	.06	6:30	.46	.15									
5:50	.48	.09	6:40	.49	.09									
6:00	.49	.05	6:50	.51	.12									
6:10	.50	.10	7:00	.53	.12									
6:20	.53	.20	7:10	.59	.18									
6:30	.54	.12	7:20	.63	.12									
6:40	.55	.06	7:30	.67	.13									
6:50	.56	.06	7:40	.67	0									
7:00	.58	.06	7:50	.69	.15									
7:10	.60	.12	8:00	.71	.12									
7:20	.62	.12	8:10	.71	0									
7:30	.64	.12	8:20	.72	.20									
7:40	.67	.18	8:30	.76	.14									
7:50	.69	.12	8:40	.80	.24									
8:00	.72	.18	8:50	.86	.36									
8:10	.75	.18	9:00	.91	.30									
8:20	.79	.24	9:10	.96	.30									
8:30	.81	.12	9:20	1.01	.30									
8:40	.83	.12	9:30	1.03	.30									
8:50	.85	.12	9:40	1.05	.20									
9:00	.88	.18	9:50	1.08	.18									
9:10	.89	.15	10:00	1.13	.30									
9:20	.90	.10	10:10	1.18	.30									
9:30	.92	.12	10:20	1.21	.45									
9:40	.93	.06	10:30	1.23	.20									
9:50	.95	.40	10:40	1.24	.20									
10:00	.96	.20	10:50	1.25	.09									
10:10	.97	.15	11:00	1.26	.07									
10:20	1.01	.24	11:10	1.26	0									
10:30	1.03	.17												
10:40	1.03	0												
10:50	1.04	.20												
11:00	1.05	.15	Apr. 20											
11:10	1.06	.20	<i>a. m.</i>											
11:20	1.07	.20	12:18	1.27	.03									
11:30	1.08	.09	1:00	1.28	.01									
11:40	1.10	.12	2:00	1.29	.01									
11:50	1.11	.20	4:16	1.29	0									
12:00	1.13	.17	4:40	1.30	.02									
12:10	1.17	.24	5:32	1.31	.01									
12:20	1.18	.15	6:00	1.32	.02									
12:30	1.19	0	6:17	1.33	.03									
12:40	1.20	.15	6:20	1.34	.03									
12:50	1.21	.10	6:30	1.36	.06									
13:00	1.22	.06	6:40	1.38	.17									
13:10	1.23	.06	6:50	1.42	.24									
13:20	1.24	.15	7:00	1.43	.15									
13:30	1.24	0	7:10	1.44	.12									
13:40	1.25	.10	7:20	1.44	0									
13:50	1.25	0	7:30	1.45	.20									
14:00	1.26	.06	7:40	1.47	.30									
14:10	1.27	.06	7:50	1.49	.40									
14:20	1.28	.05	8:00	1.51	.20									
			8:10	1.52	.15									
			8:20	1.53	.06									
			8:30	1.54	.06									
			8:40	1.55	.15									
			8:50	1.56	.20									
			9:00	1.57	.20									
			9:10	1.58	.15									
			9:20	1.59	.10									
			9:30	1.60	.06									
			9:40	1.61	.06									
			9:50	1.62	.05									
			10:00	1.62	0									
			10:10	1.64	.02									
			10:20	1.64	0									
			10:30	1.65	.02									
			10:40	1.66	.02									



TABLE 41.—*Rainfall at station 44 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-30—Con.			STORM OF JUNE 8-11—Con.			STORM OF JUNE 18—Con.			STORM OF JUNE 26—Con.			STORM OF JUNE 30-JULY 1—Continued					
May 30			June 10			June 18			June 26			June 30					
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
7:00	1.10	0.04	7:00	1.04	0	10:05	0.33	0	7:20	0.02	0	6:40	0.15	0.24			
:20	1.10	0	:05	1.05	.12	:10	.34	.12	:30	.03	.06	:45	.16	.12			
:30	1.11	.06	:10	1.06	.12	:20	.36	.12	:45	.03	0	7:00	.16	0			
:40	1.12	.06	:20	1.07	.06	11:00	.36	0	:50	.04	.12	:02	.17	.30			
:50	1.13	.06				:05	.37	.12				:05	.17	0			
8:25	1.13	0	June 11			:10	.39	.24	12:13	.04	0	:17	.17	0			
:30	1.14	.12	<i>a. m.</i>			:12	.39	0	:15	.06	.60	:20	.18	.20			
:45	1.15	.04	3:40	0	0	:15	.43	.80	:18	.07	.20	:38	.18	0			
9:00	1.16	.04	:45	.03	.36	:20	.45	.24	:20	.08	.30	:40	.19	.30			
:15	1.17	.04	4:30	.03	0	<i>p. m.</i>			:30	.08	0	:50	.20	.06			
STORM OF JUNE 8-11			4:40	.04	.06	1:20	.45	0	:34	.09	.15	9:40	.20	0			
			7:00	.04	0	:30	.46	.06	:35	.09	0	:45	.22	.24			
			:10	.05	.06	3:29	.46	0	:40	.09	0	:54	.22	0			
			:25	.05	0	:30	.47	.60	:45	.09	0	:55	.24	1.20			
			:30	.06	.12	:34	.51	.60	:50	.10	.06	10:00	.25	.12			
						:35	.52	.60	:50	.10	0	:10	.27	.12			
						:36	.55	1.80	:50	.11	.06	:20	.28	.06			
						:40	.63	1.20				:23	.28	0			
						:43	.71	1.60	STORM OF JUNE 28			:25	.29	.30			
						:45	.82	3.30				:30	.31	.24			
						:48	.97	3.00				:40	.33	.12			
						:50	1.10	3.90				:50	.36	.18			
						:52	1.19	2.70				11:00	.40	.24			
						:54	1.27	2.40				:05	.42	.24			
						:55	1.35	4.80				:14	.42	0			
						:58	1.43	1.60				:15	.43	.60			
						4:00	1.49	1.80				:20	.47	.48			
						:05	1.51	.24				:30	.52	.30			
						:08	1.54	.60				:40	.56	.24			
						:10	1.55	.30				:50	.60	.24			
						:20	1.57	.12				12:00	.62	.12			
						:40	1.57	0				July 1					
						:50	1.59	.12				<i>a. m.</i>					
						STORM OF JUNE 23						12:20	.64	.06			
												:40	.65	.03			
												:45	.67	.24			
												:50	.70	.36			
												1:25	.70	0			
												:30	.72	.24			
												:48	.72	0			
												:50	.73	.30			
												:55	.74	.12			
												2:00	.75	.12			
												:05	.75	0			
												:10	.76	.12			
												STORM OF JULY 11					

<sup>1</sup> No intensity record.



TABLE 41.—Rainfall at station 44 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 22—Con.			STORM OF JULY 26—Con.			STORM OF AUG. 27			STORM OF AUG. 27—Con.			STORM OF AUG. 29-31—Con.		
July 22			July 26			Aug. 27			Aug. 27			Aug. 30		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
5:00-----	0.84	0	8:00-----	0.45	0.48	12:24-----	0	0.30	1:40-----	1.65	0:03	12:15-----	0.71	0
:05-----	.85	.12	:05-----	.52	.84	:26-----	.01	.30	2:30-----	1.65	0	:30-----	.72	.04
:10-----	.86	.12	:10-----	.58	.72	:28-----	.02	.30	:35-----	1.69	.48	:45-----	.72	0
:15-----	.87	.12	:23-----	.58	0	:30-----	.03	.30	:38-----	1.71	.40	1:00-----	.73	.04
:18-----	.93	1.20	:25-----	.59	.30	:40-----	.04	.06	:50-----	1.72	.05	:40-----	.73	0
:20-----	.94	.30	:28-----	.60	.20	:45-----	.05	.12	5:00-----	1.72	0	:45-----	.74	.12
:25-----	.95	.12	STORM OF AUG. 18			:46-----	.08	1.80	:10-----	1.75	.18	:50-----	.75	.12
8:32-----	.95	0	Aug. 18			:48-----	.13	1.50	:20-----	1.78	.18	2:00-----	.75	0
:35-----	.97	.40	p. m.			:50-----	.17	1.20	:30-----	1.82	.24	:10-----	.75	0
:36-----	.98	.60	5:53-----	0	1.20	:51-----	.21	2.40	:35-----	1.83	.12	:20-----	.76	.06
:40-----	.99	.15	:54-----	.02	1.20	:52-----	.22	.60	6:20-----	1.83	0	:30-----	.77	.06
STORM OF JULY 23			:55-----	.11	5.40	:54-----	.25	.90	:30-----	1.85	.12	:50-----	.78	.03
July 23			:56-----	.16	3.00	:56-----	.26	.30	:40-----	1.87	.12	3:00-----	.78	0
a. m.			:57-----	.23	4.20	:58-----	.27	.30	:58-----	1.89	.12	:25-----	.78	0
6:00-----	0	.01	:58-----	.28	3.00	1:00-----	.27	0	:58-----	1.90	.08	:30-----	.79	.12
7:00-----	.01	.01	6:00-----	.34	1.80	:13-----	.28	.05	7:00-----	1.91	.30	4:20-----	.79	0
8:00-----	.02	.01	:01-----	.38	2.40	:14-----	.30	1.20	:06-----	1.92	.10	:30-----	.80	.06
11:18-----	.02	0	:02-----	.40	1.20	:16-----	.35	1.50	:08-----	1.94	.60	:36-----	.80	0
:20-----	.13	3.30	:04-----	.42	.60	:18-----	.39	1.20	:12-----	1.95	.15	:40-----	.81	.15
:25-----	.42	3.48	:05-----	.43	.60	:20-----	.40	.30	:18-----	1.97	.20	5:00-----	.82	.03
:27-----	.51	2.70	:08-----	.44	.20	:21-----	.44	2.40	:26-----	2.00	.23	:30-----	.82	0
:30-----	.56	1.00	:10-----	.46	.60	:22-----	.45	.60	:32-----	2.01	.10	:40-----	.83	.06
4:57-----	.56	0	:13-----	.48	.40	:23-----	.46	.60	:46-----	2.01	0	6:10-----	.83	0
5:00-----	.63	1.40	:14-----	.55	4.20	:24-----	.47	.60	:50-----	2.02	.15	:20-----	.84	.06
:03-----	.78	3.00	:15-----	.61	3.60	:30-----	.48	.10	:54-----	2.03	.15	:23-----	.85	.20
:05-----	.81	.90	:16-----	.66	3.00	:34-----	.48	0	8:00-----	2.03	0	:30-----	.90	.43
:08-----	.82	.20	:18-----	.70	1.20	:35-----	.50	1.20	:19-----	2.03	0	:40-----	1.00	.60
:10-----	.82	0	:20-----	.74	1.20	:36-----	.54	2.40	:24-----	2.07	.48	:50-----	1.09	.54
7:27-----	.82	0	:23-----	.76	.40	:37-----	.58	2.40	:30-----	2.12	.50	7:00-----	1.17	.48
:30-----	.83	.20	:24-----	.80	2.40	:38-----	.61	1.80	:36-----	2.25	1.30	:10-----	1.23	.36
:33-----	.86	.60	:28-----	.88	2.40	:40-----	.63	.60	:54-----	2.29	.13	:18-----	1.27	.30
:35-----	.90	1.20	:50-----	.95	2.10	:46-----	.64	.10	9:00-----	2.30	.10	:20-----	1.29	.60
:38-----	1.14	4.80	:52-----	.97	.02	8:35-----	0	1.20	:10-----	2.32	.12	:23-----	1.31	.40
:40-----	1.31	5.10	7:20-----	.97	.02	:36-----	.02	.90	:20-----	2.33	.06	:30-----	1.33	.17
:43-----	1.57	5.20	STORM OF AUG. 25-26			:38-----	.05	.90	10:00-----	2.33	0	:31-----	1.35	1.20
:45-----	1.80	6.90	Aug. 25			:40-----	.08	.90	:30-----	2.34	.02	:37-----	1.41	.60
:47-----	1.89	2.70	p. m.			:41-----	.11	1.80	12:00-----	2.34	0	:40-----	1.43	.40
:50-----	1.99	2.00	6:40-----	0	0.03	:42-----	.12	.60	STORM OF AUG. 28			:46-----	1.47	.40
:53-----	2.02	.60	7:00-----	.01	0.03	:46-----	.13	.15	Aug. 28			:50-----	1.48	.15
:55-----	2.04	.60	:20-----	.03	.06	9:00-----	.13	0	a. m.			:10-----	1.51	.18
STORM OF JULY 24			:30-----	.04	.06	:10-----	.14	.06	7:14-----	0	0.30	:20-----	1.52	.06
July 24			:52-----	.05	.03	:15-----	.16	.24	:16-----	.01		:20-----	1.53	.06
p. m.			9:13-----	.05	0	:25-----	.17	.06	STORM OF AUG. 29-31			:30-----	1.55	.12
2:34-----	0	.60	:17-----	.07	.30	:26-----	.19	1.20	Aug. 29			:10-----	1.60	.07
:35-----	.01	.60	10:02-----	.07	0	:28-----	.21	.60	p. m.			:30-----	1.61	.03
:40-----	.19	2.16	:05-----	.09	.40	:30-----	.23	.60	3:25-----	0	1.20	:40-----	1.63	.12
:42-----	.21	.60	:12-----	.10	.09	:31-----	.25	1.20	:29-----	.08	1.20	:45-----	1.64	.12
:45-----	.23	.40	:15-----	.12	.40	:35-----	.26	.15	:30-----	.10	1.20	10:00-----	1.66	.08
:50-----	.25	.24	:40-----	.12	0	:38-----	.27	.20	:41-----	.13	.90	:10-----	1.69	.18
3:00-----	.26	.06	11:00-----	.13	.03	:39-----	.28	.60	:42-----	.14	.30	:20-----	1.72	.18
:10-----	.27	.06	:03-----	.13	0	:40-----	.31	1.80	:46-----	.16	.30	:30-----	1.76	.24
:30-----	.27	0	:05-----	.17	1.20	:42-----	.36	1.50	:43-----	.18	.20	:40-----	1.79	.18
:40-----	.28	.06	:07-----	.19	.60	:44-----	.38	.60	:53-----	1.83	.18	:43-----	1.80	.20
STORM OF JULY 26			:09-----	.19	0	:50-----	.39	.10	11:00-----	1.84	.09	:50-----	1.86	.06
July 26			:11-----	.24	1.50	:54-----	.43	.90	:20-----	1.88	.12	:30-----	1.88	.12
p. m.			:13-----	.25	.30	:55-----	.45	.60	:40-----	1.89	.06	:40-----	1.89	.06
5:23-----	0	1.50	:20-----	.26	.09	:56-----	.46	.60	:50-----	1.91	.12	12:00-----	1.93	.12
:25-----	.05	.12	:33-----	.26	0	10:00-----	.59	.60	:36-----	.23	2.70	STORM OF AUG. 31		
:30-----	.05	0	:40-----	.27	.09	:01-----	.61	1.20	:38-----	.24	.30	p. m.		
:35-----	.07	.24	:40-----	.27	.09	:02-----	.68	4.20	:40-----	.25	1.20	12:10-----	1.93	0
:40-----	.09	.24	:40-----	.27	.09	:03-----	.76	4.80	:42-----	.29	.30	:45-----	1.93	0
:45-----	.10	.12	:40-----	.27	.09	:04-----	.81	3.00	:50-----	.30	.08	:50-----	1.94	.12
:50-----	.10	0	:40-----	.27	.09	:05-----	.88	4.20	:56-----	.31	.06	1:10-----	1.96	.06
6:00-----	.12	.12	:40-----	.27	.09	:06-----	.94	3.60	:56-----	.31	0	2:00-----	1.96	0
:10-----	.14	.12	:40-----	.27	.09	:07-----	1.01	4.20	:56-----	.31	.06	4:16-----	1.96	0
:20-----	.15	.06	:40-----	.27	.09	:08-----	1.08	4.20	:56-----	.31	.06	:20-----	1.98	.30
:25-----	.16	.12	:40-----	.27	.09	:09-----	1.14	3.60	:56-----	.31	.06	:30-----	2.00	.12
:30-----	.18	.24	:40-----	.27	.09	:10-----	1.20	3.60	:56-----	.31	.06	:40-----	2.00	0
:35-----	.18	0	:40-----	.27	.09	:12-----	1.27	2.10	:56-----	.31	.06	9:30-----	2.00	0
:40-----	.19	.12	:40-----	.27	.09	:14-----	1.32	1.50	:56-----	.31	.06	10:00-----	2.01	.02
7:25-----	.19	0	:40-----	.27	.09	:16-----	1.37	1.50	:56-----	.31	.06	12:00-----	2.01	0
:30-----	.22	.36	:40-----	.27	.09	:17-----	1.38	.60	:56-----	.31	.06	STORM OF SEPT. 9-10		
:40-----	.22	0	:40-----	.27	.09	:20-----	1.39	.20	Aug. 31			Sept. 9		
:45-----	.25	.36	:40-----	.27	.09	:23-----	1.39	.60	a. m.			11:15-----	0	.13
:50-----	.25	.24	:40-----	.27	.09	:24-----	1.40	.60	1:00-----	2.03	.02	:29-----	.03	.03
:52-----	.31	1.20	:40-----	.27	.09	:26-----	1.45	1.50	:30-----	.71	.06	:49-----	.07	.12
:54-----	.38	2.10	:40-----	.27	.09	:28-----	1.50	1.50	:35-----	.71	0	12:00-----	.11	.22
:55-----	.41	1.80	:40-----	.27	.09	:30-----	1.54	1.20	12:00-----	.71	0			
			:40-----	.27	.09	:36-----	1.58	.40						
			:40-----	.27	.09	:39-----	1.59	.20						
			:40-----	.27	.09	:54-----	1.59	0						
			:40-----	.27	.09	:56-----	1.62	.90						
			:40-----	.27	.09	11:00-----	1.63	.15						
			:40-----	.27	.09	p. m.								
			:40-----	.27	.09	12:10-----	1.63	0						
			:40-----	.27	.09	:20-----	1.64	.06						



TABLE 41.—Rainfall at station 44 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF SEPT. 9-10—Con.			STORM OF SEPT. 24-25—Con.			STORM OF NOV. 1—Con.			STORM OF NOV. 5—Con.			STORM OF NOV. 26—Con.		
Sept. 10			Sept. 25			Nov. 1			Nov. 5			Nov. 26		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
12:19	0.13	0.06	1:00	0.70	0.12	1:00	0.85	0.03	12:30	0.44	0.12	6:20	0.72	0.06
:49	.17	.08	:20	.76	.18	2:00	.86	.01	:50	.48	.12	:40	.76	.12
1:00	.19	.11	:30	.82	.36	3:00	.87	.01	1:00	.50	.12	7:00	.78	.06
:25	.24	.12	:40	.86	.24	4:00	.88	.01	:30	.53	.06	:30	.83	.10
:39	.31	.30	2:00	.90	.12	5:00	.91	.03	2:00	.54	.02	8:00	.86	.06
2:00	.34	.09	3:00	.96	.06	:22	.94	.08	3:00	.56	.02	9:00	.87	.01
3:00	.36	.02	4:00	.97	.01	6:00	.95	.02	4:00	.58	.02	10:00	.88	.01
:21	.37	.03	5:00	.98	.01	:30	.97	.04	5:00	.60	.02	11:00	.89	.01
			6:00	.99	.01	:50	1.10	.39	:34	.64	.07			
			:40	1.00	.01	7:00	1.12	.12						
						:30	1.14	.04						
STORM OF SEPT. 24-25			STORM OF NOV. 1			STORM OF NOV. 5			STORM OF NOV. 26			STORM OF DEC. 11		
Sept. 24			Nov. 1			Nov. 5			Nov. 26			Dec. 11		
p. m.			a. m.			a. m.			a. m.			a. m.		
7:40	0	0.06	6:10	0	0.06	8:20	0	0.12	11:30	0	0.04	9:01	0	0.04
8:00	.02	.55	7:00	.05	.06	:40	.04	.07	12:00	.02	.04	10:00	.04	.01
:11	.12	.05	:30	.08	.06	9:00	.07	.09				11:00	.05	.01
9:00	.16	.05	8:00	.11	.06	:33	.14	.13				12:00	.09	.04
10:00	.24	.08	:30	.16	.10	:40	.16	.17						
:20	.32	.24	:32	.26	3.00	10:00	.22	.18						
:26	.42	1.00	9:00	.31	.11	:30	.26	.08						
:30	.48	.90	:30	.38	.14	11:00	.28	.04						
:36	.52	.40	10:00	.43	.10	:32	.32	.08						
11:00	.54	.05	:30	.52	.18	12:00	.38	.13						
12:00	.60	.06	11:00	.62	.20									
			:30	.76	.28									
			12:00	.82	.12									
Sept. 25														
a. m.														
12:30	.64	.08												

TABLE 42.—Rainfall at station 47 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 18—Con.		
Jan. 14			Feb. 6			Feb. 9			Feb. 10			Feb. 18		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:10	0	0.12	9:00	0.18	0.09	8:00	0.10	0.03	5:40	0.56	0.12	12:20	0.28	0.06
:15	0.01	.36	:10	.19	.06	:55	.10	0	:50	.59	.18	:40	.29	.03
:20	.04	.36	:20	.20	.06	9:00	.10	0	6:00	.62	.18	1:00	.31	.06
:25	.06	.24	:30	.22	.12	:05	.11	.12	:10	.64	.12	:20	.33	.06
:30	.09	.36	:33	.22	0	:10	.11	0	:20	.65	.06	:40	.35	.06
:35	.11	.24	:35	.23	.30	:20	.12	.06	:30	.68	.18	2:00	.36	.03
:40	.12	.12	:40	.25	.24	Feb. 10			:40	.70	.12	:20	.37	.03
:50	.14	.12	:45	.28	.36	a. m.			7:00	.70	0	:40	.41	.12
7:00	.17	.18	:50	.29	.12	4:30	.12	0	:10	.71	.06	3:00	.44	.09
:10	.23	.36	10:00	.33	.24	5:00	.13	.02	:20	.71	0	:05	.47	.36
:20	.26	.18	:10	.37	.24	6:00	.13	0	:40	.73	.06	:10	.49	.24
:30	.31	.30	:20	.40	.18	7:00	.14	.02	8:00	.74	.03	:20	.51	.12
:40	.39	.48	:30	.41	.06	:30	.15	.02	:20	.75	.03	:30	.52	.06
:50	.45	.36	:40	.41	0	:40	.16	.02	:30	.78	.18	:40	.56	.24
8:00	.49	.24	11:00	.42	.03	9:40	.16	0	11:40	.78	0	:50	.57	.06
:10	.51	.12	:40	.42	0	10:00	.17	.03	12:00	.81	.09	4:00	.58	.06
:20	.56	.30	12:00	.44	.06	:30	.17	0				:20	.60	.06
:30	.59	.18				10:00	.17	.03				:40	.63	.09
:35	.61	.24				:30	.18	.02				5:00	.65	.06
:40	.61	0				11:00	.18	.02				:20	.66	.03
9:00	.64	.09				:30	.19	.02				:40	.69	.09
:20	.65	.03				12:00	.20	.02				6:00	.70	.03
:30	.66	.06										:30	.72	.04
:40	.68	.12										7:00	.73	.02
:50	.71	.18										:30	.74	.02
10:00	.74	.18										8:00	.77	.06
:10	.75	.06										:30	.78	.02
:20	.78	.18										9:00	.79	.02
:30	.79	.06										:30	.80	.02
:40	.80	.06										10:00	.81	.02
	.84											:30	.83	.04
												11:00	.84	.02
													.86	(1)
STORM OF FEB. 6			STORM OF FEB. 9-11			STORM OF FEB. 18			STORM OF FEB. 18			STORM OF MAR. 2-4		
Feb. 6			Feb. 9			Feb. 18			Feb. 18			Mar. 2		
a. m.			p. m.			a. m.			a. m.			a. m.		
6:20	0	0.03	1:30	0	0.04	6:20	0	0.03	7:58	0	0.30			
:40	.01	.06	2:00	.02	0	:40	.01	.03	8:00	.01	.08			
7:00	.03	.06	6:00	.02	0	7:00	.02	.03	:15	.03	.08			
:20	.04	.03	:20	.04	.06	:20	.05	.09	:30	.05	.08			
:40	.06	.06	:40	.06	.06	:40	.07	.06	:45	.07	.08			
8:00	.10	.12	7:00	.07	.03	8:00	.10	.09						
:20	.12	.06	:20	.08	.03	:20	.12	.06						
:40	.15	.09	:40	.09	.03	:40	.13	.03						

1 No intensity record.



TABLE 42.—Rainfall at station 47 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAR. 2-4—Con.			STORM OF MAR. 18			STORM OF APR. 11—Con.			STORM OF APR. 19-20—Con.			STORM OF APR. 19-20—Con.		
Mar. 2			Mar. 18			Apr. 11			Apr. 19			Apr. 20		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
9:00	0.11	0.16	5:32	0		6:18	0.59	0.07	10:15	0.33	0.04	12:24	1.68	0.15
:15	.13	.08	:35	.02	0.40	:20	.59	0	:20	.33	0	:27	1.69	.20
:30	.14	.04	:40	.03	.12	:24	.60	.15	:40	.34	.03	:30	1.71	.40
:45	.16	.08	:42	.06	.90	:30	.61	.10	:51	.35	.05	:34	1.73	.30
10:00	.18	.08	:45	.08	.40	:40	.64	.18	11:00	.37	.13	:40	1.74	.10
:15	.21	.12	:50	.12	.48	:47	.66	.17	:10	.39	.12	:45	1.76	.24
:30	.22	.04	:55	.14	.24	:50	.67	.20	:20	.41	.12	:47	1.78	.60
11:00	.23	.02	6:00	.18	.48	7:00	.70	.18	:36	.43	.07	:50	1.79	.20
:30	.24	.02	:02	.22	1.20	:05	.71	.12	:40	.44	.15	:53	1.81	.40
12:00	.25	.02	:05	.25	.60	:10	.72	.12	:50	.46	.12	:56	1.82	.20
			:10	.26	.12	:20	.75	.18	12:00	.48	.12	1:00	1.85	.45
p. m.			:20	.29	.18	:30	.79	.24				:09	1.87	.13
1:00	.26	.01	:30	.32	.18	:40	.82	.18	Apr. 20			:10	1.87	0
4:35	.26	0	:40	.33	.06	:50	.84	.12	a. m.			:20	1.88	.06
:40	.27	.12				8:00	.87	.18	12:12	.49	.05	:26	1.90	.20
:50	.29	.12				:10	.90	.18	:20	.50	.07	:30	1.91	.15
5:00	.33	.24				:16	.92	.20	:23	.51	.20	:35	1.93	.24
:10	.35	.12	STORM OF APR. 3			:20	.93	.15	:30	.52	.09	:40	1.94	.12
:20	.37	.12	Apr. 3			:27	.94	.09	:40	.54	.12	:50	1.95	.06
:30	.38	.06	p. m.			:30	.95	.20	1:00	.58	.12	2:24	1.95	0
7:00	.38	0	12:15	0		:36	.96	.10	:07	.59	.09	:50	1.96	.02
:30	.39	.02	:20	.02	.24	:40	.97	.15	:15	.60	.07	3:20	1.96	0
8:20	.39	0	:25	.02	0	:47	1.00	.26	:20	.60	0	:27	1.97	.09
:30	.40	.06	:30	.02	0	:50	1.01	.20	:23	.61	.20	:36	1.98	.07
:40	.40	0	:35	.02	0	:57	1.04	.26	:36	.64	.14	:41	1.99	.12
:50	.43	.18	:40	.03	.12	9:00	1.05	.20	:39	.65	.20	4:10	2.01	.04
9:00	.46	.18	2:00	.07	1.20	:02	1.06	.30	:40	.65	0	5:00	2.03	.02
:10	.50	.24	:02	.15	4.80	:07	1.07	.12	5:54	.68	.13	:40	2.06	.03
:15	.51	.12	:05	.16	.30	:10	1.08	.20	2:00	.69	.10			
:30	.52	.04	:08	.19	.60	:17	1.09	.09	:09	.71	.13			
:45	.53	.04	:10	.20	.30	:26	1.11	.10	1:10	.71	0			
10:30	.53	0	:13	.34	2.80	:30	1.12	.15	:11	.72	.60			
:45	.55	.08	:15	.36	.60	:40	1.15	.18	:14	.73	.20			
11:00	.58	.12	6:00	.36	0	:50	1.19	.24	:20	.75	.20			
:10	.61	.18	:03	.42	1.20	:54	1.20	.15	:26	.77	.20			
:20	.64	.18				10:00	1.23	.30	:30	.79	.30			
:25	.69	.60				:06	1.24	.10	:35	.80	.12			
:30	.71	.24				:10	1.25	.15	:38	.81	.20			
:45	.77	.24				:17	1.26	.09	:40	.81	0			
12:00	.80	.12				:20	1.26	0	:45	.82	.12			
						:30	1.28	.12	:50	.84	.24			
Mar. 3						:40	1.29	.06	:54	.85	.15			
a. m.			Apr. 11			:50	1.30	.06	3:00	.86	.10			
12:15	.83	.12	p. m.			11:00	1.31	.06	:10	.89	.18			
:30	.87	.16	12:33	0	0.09	:20	1.32	.03	:12	.90	.30			
:45	.92	.20	:40	.01	0.06	:32	1.33	.05	:19	.92	.17			
1:00	.97	.20	1:00	.03	.06	:52	1.34	.03	:20	.93	.60			
:15	1.01	.16	:10	.04	.06				:28	.94	.07			
:30	1.04	.12	:20	.06	.12	STORM OF APR. 19-20			:30	.94	0			
:45	1.07	.12	:38	.09	.10	Apr. 19			:34	.95	.15			
2:00	1.09	.08	:40	.09	0	a. m.			:40	.97	.20			
6:30	1.09	0	:46	.10	.10	11:16	0	0.09	:46	1.00	.30			
7:00	1.10	.02	:56	.12	.12	:30	.02	0.02	:50	1.01	.15			
:30	1.11	.02	2:00	.14	.30	12:00	.03	.02	:57	1.03	.17			
8:00	1.12	.02	:20	.15	.03				4:00	1.04	.20			
9:30	1.12	0	:30	.16	.06	a. m.			:03	1.05	.20			
:35	1.13	.12	:40	.18	.12	11:16	0	0.09	:10	1.09	.34			
10:30	1.13	0	:50	.22	.24	:30	.02	0.02	:14	1.12	.45			
:40	1.14	.06	:56	.23	.10	12:00	.03	.02	:20	1.16	.40			
			:59	.24	.20				:30	1.21	.30			
Mar. 4			3:00	.25	.60	p. m.			:36	1.25	.40			
a. m.			:04	.26	.15	1:00	.03	0	:40	1.27	.30			
4:57	1.14	0	:09	.28	.24	:22	.04	.02	:50	1.31	.24			
5:00	1.20	1.20	:10	.29	.60	:52	.05	.02	5:00	1.35	.24			
:02	1.25	1.50	:13	.30	.20	4:34	.05	0	:03	1.37	.40			
:05	1.34	1.80	:20	.33	.26	5:00	.06	.02	:05	1.38	.30			
:10	1.40	.72	:30	.37	.24	:10	.07	.06	:07	1.39	.30			
:15	1.42	.24	:35	.38	.12	:20	.08	.06	:10	1.41	.40			
:30	1.42	0	:40	.39	.12	:40	.09	.03	:16	1.45	.40			
:45	1.43	.04	:42	.39	0	:52	.11	.10	:20	1.46	.15			
6:00	1.44	.04	:44	.40	.30	6:00	.13	.15	:26	1.49	.30			
:15	1.47	.12	:50	.41	.07	:08	.16	.22	:30	1.52	.45			
:30	1.49	.08	4:00	.43	.12	:13	.17	.12	:34	1.53	.15			
:45	1.50	.04	:06	.45	.20	:20	.18	.09	:40	1.54	.10			
7:00	1.52	.08	:10	.46	.15	:35	.20	.08	:48	1.55	.07			
:15	1.54	.08	:20	.46	0	:40	.20	0	:50	1.55	0			
:30	1.56	.08	:38	.47	.03	:50	.22	.12	:56	1.57	.20			
:45	1.57	.04	:40	.47	0	:59	.23	.07	6:00	1.57	0			
9:15	1.57	0	:48	.48	.07	7:00	.23	0	:10	1.58	.06			
:30	1.62	.20	:50	.49	.30	:14	.24	.04	:41	1.58	0			
:45	1.64	.08	5:00	.49	0	:20	.24	0	7:11	1.59	.02			
10:00	1.66	.08	:06	.50	.10	:40	.25	.06	:47	1.60	.02			
:15	1.67	.04	:11	.51	.12	:50	.28	.06	10:57	1.60	0			
:30	1.69	.08	:14	.52	.20	:23	.28	0	11:05	1.61	.07			
11:00	1.70	.02	:17	.53	.20	:40	.29	.03	:35	1.62	.02			
			:20	.53	0	:53	.30	.05	12:00	1.63	.02			
			:26	.54	.10	9:00	.30	0						
Mar. 4			:30	.55	.15	:20	.31	.03	p. m.					
a. m.			:40	.56	.06	:40	.31	0	12:00	1.64	.07			
12:50	1.70	0	6:00	.57	.03	:53	.32	.05	:17	1.66	.15			
1:00	1.72	.12				10:00	.32	0	:20	1.67	.20			
:10	1.73	.06												



TABLE 42.—Rainfall at station 47 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 19—Con.			STORM OF MAY 23—24—Con.			STORM OF MAY 29—30—Con.			STORM OF JUNE 10—Con.			STORM OF JUNE 18—Con.		
May 19			May 24			May 30			June 10			June 18		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
2:48	0.01	0	10:30	1.40	0.04	3:30	0.94	0.08	6:30	0.01	0.12	8:10	0.19	0.12
:49	.04	1.80	:45	1.42	.08	:45	.96	.08	:35	.02	.12	:20	.22	.18
:50	.05	.60	11:00	1.43	.04	4:00	.98	.08				:25	.23	.12
:53	.11	1.20	:05	1.45	.24	:15	.99	.04	<i>p. m.</i>			:46	.23	0
:55	.12	.30	:10	1.46	.12	:30	1.02	.12	1:15	0		:50	.24	.15
3:02	.12	0	:18	1.46	0	:45	1.04	.08	:17	.09	2.70	9:00	.27	.18
:05	.13	.20	:20	1.50	1.20	5:00	1.06	.08	:20	.26	3.00	:10	.28	.06
:10	.14	.12	:25	1.52	.24	:15	1.08	.08	:23	.40	2.80	:15	.29	.12
:15	.16	.24	:30	1.54	.24	:30	1.10	.08	:25	.51	3.30	:26	.29	0
			:45	1.59	.20	:45	1.12	.08	:28	.68	3.40	:30	.31	.30
			12:00	1.63	.16	6:00	1.14	.08	:30	.75	2.10	:32	.32	.30
STORM OF MAY 23—24						:15	1.15	.04	:33	.89	2.80	:35	.32	0
May 23			<i>p. m.</i>			:30	1.16	.04	:35	1.01	3.60	10:05	.32	0
<i>a. m.</i>			12:10	1.65	.12	7:00	1.18	.04	:37	1.14	3.90	:10	.33	.12
8:51	0		:20	1.66	.06	:30	1.20	.04	:40	1.23	1.80	:15	.35	.24
:52	.02	1.20	1:50	1.66	0	:45	1.23	.12	:45	1.26	.36	:58	.35	0
:53	.05	1.80	:55	1.68	.24	8:00	1.24	.04	2:02	1.26	0	11:00	.36	.30
12:00	.05	0	2:00	1.73	.60	:30	1.25	.02	:05	1.28	.40	:05	.38	.24
			:05	1.75	.24	:30	1.27	.04	:10	1.29	.12	:10	.40	.24
			:10	1.77	.24	:30	1.28	.02	:20	1.32	.18	:15	.43	.36
			:20	1.78	.06	10:00	1.29	.02	:30	1.33	.06	:20	.44	.12
									:40	1.35	.12	:30	.45	.06
									:50	1.36	.06			
<i>p. m.</i>			STORM OF MAY 29—30			STORM OF JUNE 7			STORM OF JUNE 11			STORM OF JUNE 18		
1:00	.06	.01	May 29			June 7			June 11			June 18		
2:00	.07	.01	<i>p. m.</i>			<i>a. m.</i>			<i>p. m.</i>			<i>a. m.</i>		
:15	.08	.04	4:50	0	.02	11:45	0	.01	12:47	.01	0	3:32	.45	0
:30	.09	.04	5:00	.04	.24	:50	.01	.12	:30	.03	.40	:35	.47	.40
:45	.10	.04	:05	.04	0	<i>p. m.</i>			:10	.36	.36	:38	.56	1.80
3:00	.11	.04	:10	.05	.12	12:47	.01	0	:20	1.44	.36	:40	.65	2.70
:50	.13	.04	:12	.06	.30	:52	.04	.30	:25	1.45	0	:42	.77	3.60
:53	.15	.02	:15	.09	.60				:30	1.46	.12	:44	.87	3.00
:55	.17	.04	:19	.10	.15				4:10	1.46	0	:45	.99	7.20
6:20	.17	0	:20	.11	.60				:20	1.47	.06	:46	1.04	3.00
:30	.18	.06	:30	.12	.06	STORM OF JUNE 8			June 11			:48	1.13	2.70
9:30	.18	0	:32	.12	0	June 8			<i>p. m.</i>			:50	1.24	3.30
10:00	.19	.02	:34	.16	1.20	2:28	0		12:10	0		:52	1.37	3.90
11:00	.19	0	:35	.24	2.40	<i>p. m.</i>			:15	.03	0.36	:55	1.46	1.80
:15	.21	.08	:38	.27	1.80	3:30	.04	1.20	:20	.03	0	:57	1.50	1.20
:30	.22	.04	:40	.31	.80	:35	.12	.96	:45	.07	.48	4:00	1.52	.40
:50	.22	0	:42	.32	.30	:40	.20	.96	:50	.07	.48	:05	1.56	.48
2:00	.23	.06	:44	.33	.06	:42	.22	.60	:55	.11	.48	:10	1.57	.12
			:45	.33	.06	:45	.23	.20	1:00	.17	.72	:20	1.58	.06
			:46	.33	.06	:47	.23	0	:05	.20	.36	:30	1.59	.06
			:48	.33	.06	:50	.28	1.00	:09	.23	.45	:40	1.60	.06
			:49	.33	.06	:52	.30	.24	:10	.26	1.80	6:00	1.60	0
			:50	.33	.06	:53	.31	.12	:12	.34	2.40	:10	1.61	.06
			:51	.33	.06	:54	.31	0	:14	.37	.90			
			:52	.33	.06	:55	.32	.30	:15	.42	3.00	June 23		
			:53	.33	.06	:56	.32	.36	:16	.50	4.80	<i>p. m.</i>		
			:54	.33	.06	:57	.32	.36	:18	.56	1.80	8:20	0.04	(i)
			:55	.33	.06	:58	.32	.36	:20	.60	1.20	:22	.17	3.90
			:56	.33	.06	:59	.32	.36	:22	.68	2.40	:24	.30	3.90
			:57	.33	.06	:60	.32	.36	:24	.76	2.40	:25	.35	3.00
			:58	.33	.06	:61	.32	.36	:25	.91	9.00	:26	.43	4.80
			:59	.33	.06	:62	.32	.36	:26	.93	1.20	:28	.54	3.30
			:60	.33	.06	:63	.32	.36	:28	1.00	2.10	:30	.60	1.80
			:61	.33	.06	:64	.32	.36	:30	1.03	.90	:32	.66	1.80
			:62	.33	.06	:65	.32	.36	:35	1.03	0	:35	.69	.60
			:63	.33	.06	:66	.32	.36	:40	1.05	.24	:40	.70	.12
			:64	.33	.06	:67	.32	.36				:50	.72	.12
			:65	.33	.06	:68	.32	.36	STORM OF JUNE 12			June 24		
			:66	.33	.06	:69	.32	.36	June 12			<i>a. m.</i>		
			:67	.33	.06	:70	.32	.36	12:14	0		3:08	.86	0
			:70	.33	.06	:71	.32	.36	:15	.01	0.60	:10	.90	1.20
			:71	.33	.06	:72	.32	.36	:20	.03	.24	7:40	.90	0
			:72	.33	.06	:73	.32	.36	:25	.04	.12	:45	.91	.12
			:73	.33	.06	:74	.32	.36	8:52	.04	0	:48	.91	0
			:74	.33	.06	:75	.32	.36	:55	.07	.60	:49	.92	.60
			:75	.33	.06	:76	.32	.36	9:00	.15	.72	:50	.92	0
			:76	.33	.06	:77	.32	.36	:05	.18	.36			
			:77	.33	.06	:78	.32	.36	:10	.20	.24	STORM OF JUNE 25		
			:78	.33	.06	:79	.32	.36	:15	.21	.12	June 25		
			:79	.33	.06	:80	.32	.36	STORM OF JUNE 18			<i>p. m.</i>		
			:80	.33	.06	:81	.32	.36	June 18			4:11	0	
			:81	.33	.06	:82	.32	.36	<i>a. m.</i>			:12	.04	2.40
			:82	.33	.06	:83	.32	.36	7:43	0		:15	.05	.24
			:83	.33	.06	:84	.32	.36	:44	.09	5.40			
			:84	.33	.06	:85	.32	.36	:45	.12	1.80			
			:85	.33	.06	:86	.32	.36	:50	.15	.36			
			:86	.33	.06	:87	.32	.36	8:00	.17	.12			
			:87	.33	.06	:88	.32	.36						
			:88	.33	.06	:89	.32	.36						
			:89	.33	.06	:90	.32	.36						
			:90	.33	.06	:91	.32	.36						
			:91	.33	.06	:92	.32	.36						
			:92	.33	.06	:93	.32	.36						
			:93	.33	.06	:94	.32	.36						
			:94	.33	.06	:95	.32	.36						
			:95	.33	.06	:96	.32	.36						
			:96	.33	.06	:97	.32	.36						
			:97	.33	.06	:98	.32	.36						
			:98	.33	.06	:99	.32	.36						
			:99	.33	.06	:100	.32	.36						

<sup>1</sup> No intensity record.



TABLE 42.—Rainfall at station 47 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 25—Con.			STORM OF JUNE 30—JULY 1—Continued			STORM OF JULY 22—Con.			STORM OF JULY 26—Con.			STORM OF AUG. 27—Con.		
June 25			June 30			July 22			July 26			Aug. 27		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
4:20	0.05	0	6:35	0.12	0.12	7:20	0.54	0.12	7:50	0.47	1.00	1:26	0.56	0.70
:30	.07	.12	:40	.13	.12	:40	.54	0	:53	.56	1.80	:33	.56	0
6:42	.07	0	:45	.14	.12	:50	.55	0.06	:55	.64	2.40	:36	.69	2.60
:45	.08	.20	:55	.14	0	8:26	.55	0	:58	.73	1.80	:40	.75	.90
:50	.10	.24	7:00	.15	.12	:28	.63	2.40	8:00	.74	.30			
:53	.11	.20	:18	.15	0	:30	.65	.60	:15	.74	0	8:31	0	
:55	.11	0	:20	.16	.30	:35	.65	0	:16	.75	.60	:35	.05	.75
7:03	.11	0	:25	.18	.24	:40	.66	.12	:20	.78	.45	:38	.13	1.60
:05	.13	.60	9:40	.18	0	:42	.67	.30				:40	.14	.30
:08	.15	.40	:50	.20	.12	:45	.68	.20				9:02	.14	0
:10	.15	0	10:00	.22	.12	STORM OF JULY 23			STORM OF AUG. 18			:10	.17	.22
:11	.15	0	:10	.23	.06	July 23			Aug. 18			:20	.19	.12
:35	.23	1.20	:15	.24	.12	p. m.			p. m.			:26	.25	.60
:40	.24	.12	:24	.24	0	12:06			5:51			:28	.27	.60
			:25	.25	.60	p. m.			5:51			:32	.28	.15
STORM OF JUNE 26			:30	.27	.24	12:06			5:51			:38	.37	.90
June 26			:30	.30	.18	p. m.			5:51			:40	.39	.60
p. m.			:40	.30	.18	12:06			5:51			:48	.39	0
12:11	0	0.60	:50	.33	.18	p. m.			5:51			:54	.51	1.20
:15	.04	0.60	11:00	.36	.18	12:06			5:51			:56	.53	.60
:18	.11	1.40	:10	.40	.24	p. m.			5:51			:58	.65	3.60
:20	.14	.90	:17	.40	0	12:06			5:51			10:00	.75	3.00
1:00	.14	0	:20	.42	.40	p. m.			5:51			:01	.85	6.00
:20	.15	.03	:25	.45	.36	12:06			5:51			:03	.95	3.00
:48	.15	0	:30	.47	.24	p. m.			5:51			:05	1.05	3.00
:50	.16	.30	:40	.51	.24	12:06			5:51			:07	1.15	3.00
			:50	.55	.24	p. m.			5:51			:10	1.25	2.00
STORM OF JUNE 28			12:00	.57	.12	12:06			5:51			:14	1.33	1.20
June 28			July 1			p. m.			5:51			:20	1.35	.20
a. m.			12:10			12:06			5:51			:24	1.45	1.50
7:40	0		:20	.59	.12	p. m.			5:51			:30	1.55	1.00
:42	.15	4.50	:30	.60	.06	12:06			5:51			:40	1.58	.18
:44	.28	3.90	:40	.60	0	p. m.			5:51			:50	1.58	0
:45	.34	3.60	:50	.61	.06	12:06			5:51			11:00	1.64	.36
:46	.39	3.00	:50	.64	.18	p. m.			5:51			12:00	1.64	0
:50	.45	.90	1:00	.66	.12	12:06			5:51			STORM OF AUG. 25-26		
:53	.49	.80	:28	.66	0	p. m.			5:51			Aug. 25		
:55	.55	1.80	:30	.67	.30	12:06			5:51			p. m.		
:58	.67	2.40	:40	.68	.06	p. m.			5:51			1:00		
8:00	.69	.60	:50	.69	.06	12:06			5:51			:30		
:08	.69	0	2:00	.70	.06	p. m.			5:51			:35		
:10	.76	2.10	7:00	.70	0	12:06			5:51			2:30		
:12	.85	2.70	:20	.71	.03	p. m.			5:51			:36		
:15	.87	.40	STORM OF JULY 11			12:06			5:51			3:00		
:56	.87	0	July 11			p. m.			5:51			:01		
:59	.95	1.60	p. m.			5:01			5:51			:20		
9:00	1.02	4.20	5:01			:03			5:51			:22		
:02	1.12	3.00	:05			:06			5:51			:23		
:05	1.21	1.80	:10			:09			5:51			:26		
:07	1.29	2.40	:20			:10			5:51			:30		
:10	1.37	1.60	:22			:11			5:51			:36		
:14	1.38	.15	:25			:19			5:51			:40		
:15	1.41	1.80	:30			:23			5:51			:50		
:16	1.43	1.20	:35			:24			5:51			:57		
:20	1.44	.15	:40			:24			5:51			7:00		
:30	1.46	.12	:50			:25			5:51			:07		
:40	1.49	.18	6:20			:25			5:51			:20		
:50	1.50	.06	:30			:26			5:51			:30		
10:00	1.53	.18	:45			:26			5:51			:56		
:10	1.56	.18	:50			:28			5:51			6:11		
11:20	1.56	0	7:30			:28			5:51			:21		
:30	1.57	.06	:40			:29			5:51			:30		
			STORM OF JULY 22			p. m.			5:51			:36		
STORM OF JUNE 30—JULY 1			July 22			p. m.			5:51			:40		
June 30			p. m.			3:00			5:51			:48		
p. m.			3:00			:03			5:51			:50		
4:00	0	0.12	:05			:01			5:51			:56		
:10	.02	0	:08			:06			5:51			:58		
:50	.02	0	:10			:09			5:51			:59		
5:00	.03	.06	:13			:12			5:51			:01		
:10	.04	.06	:15			:12			5:51			:04		
:15	.05	.12	:18			:12			5:51			:07		
:30	.05	0	:20			:12			5:51			:12		
:40	.07	.12	:25			:12			5:51			:17		
:50	.08	.06	:30			:12			5:51			:20		
6:00	.10	.12	:42			:12			5:51			:24		
:25	.10	0	:44			:12			5:51			:27		
:30	.11	.12	:47			:12			5:51			:30		
			STORM OF JULY 27			p. m.			5:51			:32		
STORM OF AUG. 29-30			Aug. 29			p. m.			5:51			:33		
Aug. 29			p. m.			3:25			5:51			:39		
3:25			0			:08			5:51			:47		
:26			.16			2.40			5:51			:51		
:28			.24			2.40			5:51			:51		
:30			.24			1.20			5:51			:52		
:32			.28			1.20			5:51			:52		
:33			.38			6.00			5:51			:52		
:39			.47			.90			5:51			:52		
4:00			.51			.11			5:51			:52		
5:18			.51			0			5:51			:52		
:20			.52			.30			5:51			:52		
:24			.52			0			5:51			:52		
:29			.60			.96			5:51			:52		
:33			.64			.60			5:51			:52		
:40			.66			.77			5:51			:52		
:50			.70			.14			5:51			:52		



TABLE 42.—*Rainfall at station 47 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 29-30—Con.			STORM OF SEPT. 9-10—Con.			STORM OF NOV. 1—Con.			STORM OF NOV. 10-11—Con.			STORM OF NOV. 26—Con.		
Aug. 29			Sept. 10			Nov. 1			Nov. 10			Nov. 26		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:00	0.72	0.12	12:10	0.06	0.12	8:34	0.20	0.36	5:00	0.03	0.06	5:30	0.90	0.02
6:06	.72	0	1:14	.07	.15	8:39	.28	.96	5:40	.04	.02	6:00	.92	.04
7:20	.74	.09	2:00	.09	.20	8:43	.30		6:30	.04	0	6:20	.94	.06
7:30	.76	.12	2:25	.10	.12	8:50	.33	.26	7:00	.05	.02	7:40	.98	.12
7:40	.82	.36	3:00	.14	.07	9:00	.34	.06	8:00	.06	.01	7:00	1.00	.06
7:50	.88	.06	3:10	.15	.06	9:10	.36	.12				8:30	1.06	.12
7:00	.89	.06	3:30	.17	.06	9:25	.40	.16	<i>p. m.</i>			8:30	1.08	.02
8:05	.92	.36	3:40	.19	.12	9:30	.42	.24	11:55	0		9:30	1.10	.02
8:30	.94	.05	3:53	.25	.28	10:00	.47	.10	12:00	.01	.12	10:30	1.12	.02
8:40	.96	.12	4:00	.27	.17	10:13	.50	.14						
8:50	.97	.06	4:10	.30	.18	10:42	.60	.21						
8:00	.99	.12	4:15	.31	.12	11:00	.67	.23	Nov. 11					
			4:30	.31	0	11:02	.67	0	<i>a. m.</i>					
Aug. 30			4:40	.32	.06	11:10	.74	.53	12:10	.02	.06			
<i>a. m.</i>			4:00	.33	.03	11:30	.78	.12	12:20	.04	.12			
1:20	.99	0	STORM OF SEPT. 24-25			11:34	.80	.30	12:30	.06	.12			
1:40	1.00	.03	Sept. 24			11:50	.83	.11	1:40	.07	.06			
1:50	1.01	.06	<i>a. m.</i>			<i>p. m.</i>			1:30	.07	0			
2:00	1.01	0	7:38	0		12:10	.84	.03	2:00	.08	.02			
2:15	1.02	.04	7:40	.03	0.90	12:20	.84	0	2:10	.08	0			
3:22	1.02	0	7:50	.05	.12	12:30	.85	.06	2:50	.12	.06			
3:26	1.04	.30	10:00	.05	0	2:00	.86	.03	3:00	.14	.12			
4:25	1.04	0	11:04	.06	0	3:00	.86	0	3:10	.16	.12			
4:40	1.05	.04	11:10	.08	.20	4:20	.87	.06	4:05	.18	.12			
5:00	1.06	.03	12:00	.10	.12	4:40	.87	0	4:10	.31	0			
5:30	1.07	.02	<i>p. m.</i>			5:00	.88	.06	4:20	.32	.12			
6:10	1.07	0	12:30	.12	.02	5:10	.88	0	4:25	.33	.60			
6:20	1.09	.12	8:05	0	2.40	5:20	.89	.06	4:58	.35	.04			
6:24	1.11	.30	8:06	.04		5:30	.91	.12	5:00	.36	.30			
6:30	1.18	.70	8:10	.10	.90	6:16	.91	0	5:05	.37	.12			
6:40	1.28	.60	8:12	.11	.30	6:30	.93	.09	5:50	.37	0			
6:50	1.40	.72	8:30	.13	.07	6:44	.94	.04	6:00	.38	.12			
7:00	1.46	.36	9:00	.13	0	6:46	1.00	1.80	6:10	.38	0			
7:10	1.54	.48	9:10	.14	.06	6:50	1.02	.30	6:30	.38	0			
7:22	1.60	.24	9:20	.14	0	7:00	1.10	.48	6:50	.40	.06			
7:24	1.60	0	9:30	.16	.12	7:50	1.10	0	7:00	.42	.12			
7:38	1.78	.05	9:40	.17	.06	8:00	1.11	.06	7:10	.43	.06			
8:00	1.88	.30	9:44	.17	0	STORM OF NOV. 5			7:30	.43	0			
8:20	1.90	.06	9:50	.19	.20	Nov. 5			7:50	.46	.09			
9:00	1.94	.06	10:00	.21	.12	<i>a. m.</i>			8:20	.46	0			
10:00	2.00	.06	10:10	.26	.30	8:20	0		8:26	.49	.30			
10:10	2.00	0	10:14	.28	.30	8:30	.01	0.06	8:30	.49	0			
10:30	2.10	.30	10:17	.32	.80	8:42	.02	.05	8:50	.51	.06			
10:50	2.15	.15	10:29	.47	.75	9:00	.05	.10	9:10	.51	0			
11:00	2.15	0	10:36	.49	.17	9:30	.09	.08	9:30	.52	.03			
11:40	2.20	.03	10:40	.49	0	9:40	.11	.12	9:40	.52	0			
12:00	2.23	.09	10:44	.49	.09	9:45	.15	.48	9:50	.53	.06			
			10:50	.59		9:53	.16	.08	10:00	.53	.06			
STORM OF SEPT. 8			Sept. 25			Nov. 5			STORM OF NOV. 26			STORM OF DEC. 16		
Sept. 8			<i>a. m.</i>			Nov. 5			Nov. 26			Dec. 16		
<i>a. m.</i>			12:36	.65	.10	<i>a. m.</i>			<i>a. m.</i>			<i>a. m.</i>		
8:09	0		1:50	.68	.13	12:05	.30	.12	11:30	0		12:05	0	
9:10	.05	3.00	2:00	.73	.30	12:20	.33	.12	12:00	.01	0.02	12:30	.04	.12
10:10	.10	1.50	2:11	.76	.17	12:22	.34	.30				1:40	.06	.12
11:10	.10	0	2:20	.79	.20	12:30	.35	.08	<i>p. m.</i>			1:50	.08	.12
11:16	.18	1.60	2:30	.87	.48	12:39	.35	0	12:10	.02	.06	2:00	.12	.24
12:20	.19	.15	2:40	.92	.30	1:00	.38	.17	12:20	.04	.12	2:10	.15	.18
13:30	.20	.06	2:50	.96	.12	1:10	.41	.12	12:30	.07	.18	2:20	.17	.12
13:38	.20	0	3:00	.98	.06	1:16	.41	0	12:40	.10	.18	2:30	.19	.12
14:46	.22	.15	3:10	1.00	.06	1:20	.42	.12	12:50	.12	.12	2:40	.20	.06
15:50	.23	.15	3:40	1.01	0	1:25	.44	.30	1:00	.14	.12	2:50	.23	.18
9:00	.25	.12	4:00	1.02	.03	1:30	.44	0	1:10	.16	.12	3:00	.28	.30
10:10	.30	.30	6:00	1.02	0	1:40	.45	.03	1:20	.16	.12	3:10	.30	.12
11:30	.40	0	7:30	1.03	.02	1:50	.45	0	1:30	.20	.24	3:20	.32	.12
12:00	.42	.04	8:00	1.03		5:25	.45	0	1:40	.25	.30	3:30	.34	.12
STORM OF SEPT. 9-10			STORM OF NOV. 1			STORM OF NOV. 10-11			STORM OF DEC. 16			STORM OF DEC. 12		
Sept. 9			Nov. 1			Nov. 10			Dec. 16			Dec. 12		
<i>p. m.</i>			<i>a. m.</i>			<i>a. m.</i>			<i>a. m.</i>			<i>a. m.</i>		
11:43	0		6:30	0	0.06	4:40	0	0.12	12:05	0		6:20	0	
12:00	.04	0.14	7:20	.05	.08	4:50	.02	.12	12:10	.02	.06	7:00	.01	.02
			8:00	.10	.08	5:00	.06		12:20	.04	.12	8:00	.02	.01
			8:10	.12	.12	5:25	.45	0	12:30	.06	.12	9:00	.03	.01
			8:20	.13	.06	5:40	.49	2.40	1:40	.07	.06	10:00	.04	.01
			8:24	.14	.15	6:40	.49	0	1:50	.08	.12	11:00	.05	.01
						7:00	.50	.06	2:00	.09	.12	12:00	.07	.04
						7:30	.52	.12	2:10	.10	.12		.09	.04
						8:00	.53	.02	2:20	.11	.12			
						8:10	.55	.06	2:30	.12	.12			
						8:20	.56	.06	2:40	.13	.12			
						8:30	.57	.06	2:50	.14	.12			
						8:40	.58	.06	3:00	.15	.12			
						8:50	.59	.06	3:10	.16	.12			
						9:00	.60	.06	3:20	.17	.12			
						9:10	.61	.06	3:30	.18	.12			
						9:20	.62	.06	3:40	.19	.12			
						9:30	.63	.06	3:50	.20	.12			
						9:40	.64	.06	4:00	.21	.12			
						9:50	.65	.06	4:10	.22	.12			
						10:00	.66	.06	4:20	.23	.12			
						10:10	.67	.06	4:30	.24	.12			
						10:20	.68	.06	4:40	.25	.12			
						10:30	.69	.06	4:50	.26	.12			
						10:40	.70	.06	5:00	.27	.12			
						10:50	.71	.06	5:10	.28	.12			
						11:00	.72	.06	5:20	.29	.12			
						11:10	.73	.06	5:30	.30	.12			
						11:20	.74	.06	5:40	.31	.12			
						11:30	.75	.06	5:50	.32	.12			
						11:40	.76	.06	6:00	.33	.12			
						11:50	.77	.06	6:10	.34	.12			
						12:00	.78	.06	6:20	.35	.12			
						12:10	.79	.06	6:30	.36	.12			
						12:20	.80	.06	6:40	.37	.12			
						12:30	.81	.06	6:50	.38	.12			
						12:40	.82	.06	7:00	.39	.12			
						12:50	.83	.06	7:10	.40	.12			
						13:00	.84	.06	7:20	.41	.12			
						13:10	.85	.06	7:30	.42	.12			
						13:20	.86	.06	7:40	.43	.12			
						13:30	.87	.06	7:50	.44	.12			
						13:40	.88	.06	8:00	.45	.12			
						13:50	.89	.06	8:10	.46	.12			
						14:00	.90	.06	8:20	.47	.12			
						14:10	.91	.06	8:30	.48	.12			
						14:20	.92	.06	8:40	.49	.12			
						14:30	.93	.06	8:50	.50	.12			
						14:40	.94	.06	9:00	.51	.12			
						14:50	.95	.06	9:10	.52	.12			



TABLE 42.—Rainfall at station 47 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF DEC. 25-26			STORM OF DEC. 27—Con.			STORM OF DEC. 28-30—Con.			STORM OF DEC. 28-30—Con.			STORM OF DEC. 28-30—Con.		
Dec. 25			Dec. 27			Dec. 28			Dec. 29			Dec. 29		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
10:30	0		4:10	0.10	0.18	6:50	0.05	0.18	2:00	0.50	0.24	1:30	0.81	0
11:00	.03	0.06	:20	.11	.06	7:00	.07	.12	:10	.50	0	:50	.82	.03
:30	.05	.04	:30	.15	.24	:10	.09	.12	:20	.52	.12	4:00	.82	0
12:00	.09	.08	:40	.20	.30	9:20	.09	0	:40	.54	.06	:30	.83	.02
Dec. 26			:50	.24	.24	:30	.11	.12	:50	.56	.12	5:00	.85	.04
<i>a. m.</i>			5:00	.27	.18	10:00	.12	.02	3:15	.56	0	:30	.86	.02
12:30	.12	.06	:10	.28	.06	:30	.12	0	:24	.57	.07	6:00	.87	.02
1:00	.14	.04	:25	.28	0	:45	.13	.04	:30	.59	.20	:40	.87	0
:30	.15	.02	:30	.31	.36	11:00	.20	.28	4:10	.59	0	7:00	.88	.03
2:00	.17	.04	6:00	.32	.02	:10	.24	.24	:14	.61	.30	:30	.89	.02
:30	.18	.02	7:00	.33	.01	:20	.26	.12	:17	.64	.60	:50	.90	.03
3:00	.20	.04	8:00	.34	.01	:30	.27	.06	:20	.65	.20	9:00	.91	.06
:30	.21	.02	9:00	.34	0	12:00	.27	0	:42	.65	0	10:20	.91	0
4:00	.22	.02	10:00	.37	.03	Dec. 29			:50	.66	.08	:30	.92	.06
:30	.23	.02	:30	.38	.02	<i>a. m.</i>			5:48	.66	0	11:00	.93	.02
			11:00	.40	.04	12:10	.27	0	:50	.67	.30	12:00	.94	.01
			:30	.41	.02	:20	.28	.06	6:00	.68	.06	Dec. 30		
						:30	.31	.18	:30	.68	0	<i>a. m.</i>		
						:40	.32	.06	7:00	.70	.04	1:00	.95	.01
						1:10	.32	0	:30	.72	.04	:30	.96	.02
						:15	.34	.24	:50	.76	.12	:50	.97	.03
						:30	.34	0	8:20	.76	0	3:00	.97	0
						:40	.36	.12	:30	.77	.06	:30	.98	.04
						:45	.40	.48	9:00	.77	0	4:00	1.00	.04
						:50	.46	.72	:10	.80	.06			
									:10	.81	.06			

TABLE 43.—Rainfall at station 54 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 18—Con.		
Jan. 14			Feb. 6			Feb. 9			Feb. 10			Feb. 18		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:10	0		7:00	0.03	0.06	8:55	0.05	0	6:23	0.67	0.12	11:40	0.19	0.06
:15	.01	0.12	:20	.04	.03	9:00	.09	.12	:25	.68	.30	:50	.21	.12
:20	.03	.24	:40	.06	.06	:10	.10	.06	:30	.68	0	12:00	.22	.06
:25	.05	.24	8:00	.08	.06	:20	.12	.12	:40	.70	.12	<i>p. m.</i>		
:30	.08	.36	:10	.10	.12	:30	.13	.06	:50	.72	.12	12:20	.24	.06
:35	.10	.24	:20	.12	.12	Feb. 10			:55	.73	.12	:40	.26	.06
:40	.12	.24	:30	.13	.06	<i>a. m.</i>			7:00	.73	0	:50	.26	0
:50	.13	.06	:40	.15	.12	4:00	.13	0	:20	.74	.03	1:00	.27	.06
7:00	.15	.12	:50	.17	.12	5:00	.14	.01	:40	.75	.03	:10	.28	.06
:10	.20	.30	9:00	.18	.06	6:00	.15	.01	:50	.75	.03	:20	.29	.06
:20	.23	.18	:10	.19	.06	7:00	.17	.02	8:00	.75	0	:30	.30	.06
:30	.27	.24	:20	.20	.06	8:00	.17	.02	:10	.77	.12	:40	.31	.06
:35	.31	.48	:30	.23	.18	10:30	.17	0	:20	.78	.06	:50	.32	.06
:37	.34	.90	:40	.27	.24	11:00	.18	.02	:30	.78	0	2:10	.32	0
:38	.34	0	:50	.32	.30	:30	.20	.04	:40	.81	.18	:20	.33	.06
:40	.36	.60	10:00	.36	.24	12:00	.20	0	11:50	.81	0	:30	.35	.12
:50	.42	.36	:10	.40	.24	<i>p. m.</i>			12:00	.83	.12	:40	.36	.06
8:00	.45	.18	:20	.44	.24	12:20	.21	.03	Feb. 11			:50	.38	.12
:10	.49	.24	:40	.45	.03	:40	.22	.03	<i>a. m.</i>			:52	.38	0
:20	.53	.24	:50	.45	0	1:00	.23	.03	:20	.88	.18	:54	.40	.60
:30	.57	.24	11:00	.46	.06	:20	.23	0	:30	.90	.12	:55	.40	0
:40	.59	.12	12:00	.46	0	:30	.24	.06	:40	.93	.18	3:05	.40	0
:50	.60	.06	<i>p. m.</i>			3:43	.24	0	:50	.95	.12	:10	.41	.12
9:00	.61	.06	12:30	.47	.02	:45	.25	.30	STORM OF FEB. 18			:20	.42	.06
:10	.62	.06	:40	.47	0	:50	.25	.36	Feb. 18			:30	.43	.06
:20	.63	.06	:45	.49	.24	:50	.28	.36	<i>a. m.</i>			:40	.44	.06
:30	.63	0	:50	.50	.12	:00	.31	.18	6:00	0		:50	.47	.18
:40	.66	.18	1:00	.51	.06	:10	.37	.36	:30	.01	0.02	4:00	.49	.12
:50	.69	.18	:10	.52	.06	:20	.38	.12	:40	.02	.02	:50	.50	.03
10:00	.72	.18	:20	.53	.06	:25	.40	.12	:50	.03	.06	:55	.53	.06
:10	.74	.12	:30	.54	.06	:30	.43	.36	7:00	.04	.06	:56	.54	.60
:20	.76	.12	:35	.54	0	:35	.44	.12	:10	.06	.06	5:00	.55	.15
:30	.78	.12	3:30	.54	0	:40	.45	.12	:20	.06	.12	:20	.57	.06
:40	.79	.06	:45	.56	.24	:45	.45	0	:30	.08	.12	:40	.58	.03
:50	.81	.12	STORM OF FEB. 9-11			:55	.46	0	:40	.10	.12	:50	.59	.06
11:00	.82	.06	Feb. 9			5:00	.47	.12	:50	.10	.12	STORM OF MAR. 2-4		
<i>p. m.</i>			<i>p. m.</i>			:05	.48	.12	8:00	.10	0	Mar. 2		
2:11	.82	0	3:00	0	.01	:10	.50	.24	:30	.12	.04	<i>a. m.</i>		
:15	.85	.45	4:00	.01	.01	:20	.52	.12	:40	.13	.02	8:02	0	.20
			5:00	.02	.01	:30	.54	.12	:50	.14	.06	:05	.01	.02
			6:15	.03	0	:40	.57	.18	9:00	.14	0	:10	.02	.12
			:20	.03	.12	:50	.58	.06	:30	.15	0	:20	.03	.06
			:30	.04	.05	6:00	.61	.18	:40	.15	.06			
			:40	.04	0	:05	.63	.24	:50	.16	.06			
			:50	.06	.12	:10	.64	.12	10:10	.16	0			
			7:00	.07	.06	:15	.66	.24	:20	.17	.06			
			:20	.08	.03	:20	.67	0	:30	.18	.06			

1 No intensity record.



TABLE 43.—Rainfall at station 54 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAR. 2-4—Con.			STORM OF MAR. 30			STORM OF APR. 7-8—Con.			STORM OF APR. 11—Con.			STORM OF APR. 19-20—Con.		
Mar. 2			Mar. 30			Apr. 8			Apr. 11			Apr. 19		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
8:30	0.05	0.12	5:00	0		3:42	0.28	0	7:12	0.72	0.30	6:40	0.53	0.12
4:45	.07	.08	5:15	.02	0.08	4:4	.30	.60	7:15	.73	.20	6:50	.55	.12
9:00	.10	.12	5:30	.03	.04	4:5	.30	0	7:20	.76	.36	6:55	.56	.08
1:15	.13	.12	5:45	.05	.08	5:0	.31	.12	7:24	.77	.15	7:00	.57	.30
3:30	.14	.04	6:00	.07	.08	5:5	.32	.12	7:26	.78	.30	7:20	.61	.12
4:45	.16	.08	6:15	.08	.04	4:00	.32	0	7:30	.79	.15	7:30	.61	0
10:00	.18	.08	6:30	.10	.08	4:05	.35	.36	7:35	.81	.24	7:34	.63	.30
1:15	.20	.08	6:45	.14	.16	4:10	.37	.24	7:40	.82	.12	7:40	.65	.20
3:30	.22	.08	7:00	.16	.08	4:15	.38	.12	7:50	.84	.12	8:00	.69	.12
5:00	.22	0	7:15	.18	.08	4:20	.39	.12	8:00	.86	.12	8:20	.74	.15
11:00	.24	.12	7:30	.19	.04	4:25	.39	0	8:09	.89	.20	8:36	.81	.26
3:30	.24	0	7:45	.21	.08	4:30	.40	.12	8:10	.89	0	8:40	.82	.15
12:00	.25	.02	8:00	.22	.04	5:30	.40	0	8:15	.91	.24	8:54	.87	.21
			8:15	.23	.04	6:00	.41	.02	8:20	.91	0	9:00	.88	.10
p. m.			8:30	.24	.04	6:05	.41	0	8:22	.92	.30	9:08	.91	.22
12:30	.25	0	8:45	.25	.04	7:00	.45	.60	8:30	.94	.15	9:13	.91	0
1:00	.26	.02	9:00	.26	.04	7:05	.48	.36	8:38	.96	.15	9:17	.94	.45
4:30	.26	0	9:15	.27	.04	7:20	.48	0	8:40	.97	.30	9:20	.94	0
4:45	.27	.04	9:30	.28	.04	7:30	.49	.06	8:44	.99	.30	9:32	.99	.25
5:00	.31	.16	9:45	.29	.04	11:24	.49	0	8:50	1.01	.20	9:36	.99	0
1:15	.34	.12	11:45	.29	0	12:25	.50	.60	8:52	1.02	.30	9:40	1.00	.15
3:30	.38	.16	12:00	.30	.04	3:0	.51	.12	8:56	1.04	.30	9:44	1.01	.15
8:00	.38	0				3:3	.51	0	9:00	1.05	.15	9:49	1.03	.24
3:0	.39	.02	p. m.			3:5	.53	.60	9:01	1.06	.60	9:52	1.05	.40
4:0	.39	0	12:15	.32	.08	4:0	.54	.12	9:05	1.07	.15	10:00	1.07	.15
5:0	.42	.18	12:30	.34	.08	4:10	.56	.12	9:10	1.08	.12	10:06	1.09	.20
9:00	.45	.18	12:45	.38	.16	4:15	.56	.12	9:15	1.08	.12	10:11	1.09	.20
1:10	.49	.24	1:00	.43	.20	4:20	.56	.12	9:20	1.11	.18	10:16	1.09	.20
1:12	.50	.30	1:15	.47	.16	4:25	.56	.12	9:25	1.13	.15	10:21	1.19	.43
1:15	.51	.20	1:30	.50	.12	4:30	.56	.12	9:30	1.13	0	10:26	1.20	.20
2:0	.52	.12	1:45	.53	.12	4:35	.56	.12	9:35	1.14	.30	10:31	1.33	.11
3:0	.52	0	2:00	.55	.08	4:40	.56	.12	9:40	1.15	.20	10:36	1.38	.38
4:45	.54	.08	2:15	.57	.08	4:45	.56	.12	9:45	1.16	.20	10:41	1.43	.25
10:30	.54	0	2:30	.59	.08	4:50	.56	.12	9:50	1.16	0	10:46	1.54	.35
4:45	.56	.08	2:45	.61	.08	4:55	.56	.12	9:55	1.17	.30	10:51	1.56	1.20
11:00	.59	.12	3:00	.65	.16	5:00	.56	.12	10:00	1.20	.30	10:56	1.65	.30
1:15	.63	.16	3:15	.68	.12	5:05	.56	.12	10:05	1.21	.20	11:01	1.66	.30
3:0	.72	.36	3:30	.71	.12	5:10	.56	.12	10:10	1.22	.20	11:06	1.67	.10
4:45	.77	.20	3:45	.74	.12	5:15	.56	.12	10:15	1.23	.30	11:11	1.69	.09
12:00	.82	.20	4:00	.75	.04	5:20	.56	.12	10:20	1.24	.20	11:16	1.71	.08
			4:15	.77	.08	5:25	.56	.12	10:25	1.25	.20	11:21	1.72	.02
Mar. 3						5:30	.56	.12	10:30	1.26	.09	11:26	1.73	.12
a. m.						5:35	.56	.12	10:35	1.27	.12	11:31	1.74	.09
12:15	.85	.12				5:40	.56	.12	10:40	1.27	.12	11:36	1.74	.09
3:0	.89	.16				5:45	.56	.12	10:45	1.27	.12	11:41	1.74	.09
4:45	.95	.24				5:50	.56	.12	10:50	1.27	.12	11:46	1.74	.09
1:00	.99	.16				5:55	.56	.12	10:55	1.27	.12	11:51	1.74	.09
1:15	1.03	.16				6:00	.56	.12	11:00	1.27	.12	11:56	1.74	.09
3:0	1.06	.12				6:05	.56	.12	11:05	1.27	.12	12:01	1.74	.09
4:45	1.08	.08				6:10	.56	.12	11:10	1.27	.12	12:06	1.74	.09
2:00	1.11	.12				6:15	.56	.12	11:15	1.27	.12	12:11	1.74	.09
3:0	1.12	.02				6:20	.56	.12	11:20	1.27	.12	12:16	1.74	.09
6:00	1.12	0				6:25	.56	.12	11:25	1.27	.12	12:21	1.74	.09
7:00	1.13	.01				6:30	.56	.12	11:30	1.27	.12	12:26	1.74	.09
8:00	1.14	.01				6:35	.56	.12	11:35	1.27	.12	12:31	1.74	.09
2:0	1.14	0				6:40	.56	.12	11:40	1.27	.12	12:36	1.74	.09
3:0	1.15	.06				6:45	.56	.12	11:45	1.27	.12	12:41	1.74	.09
4:0	1.16	.06				6:50	.56	.12	11:50	1.27	.12	12:46	1.74	.09
p. m.						6:55	.56	.12	11:55	1.27	.12	12:51	1.74	.09
5:01	1.16	0				7:00	.56	.12	12:00	1.27	.12	12:56	1.74	.09
5:03	1.19	.90				7:05	.56	.12	12:05	1.27	.12	13:01	1.74	.09
5:05	1.23	1.20				7:10	.56	.12	12:10	1.27	.12	13:06	1.74	.09
5:08	1.29	1.20				7:15	.56	.12	12:15	1.27	.12	13:11	1.74	.09
5:10	1.30	.30				7:20	.56	.12	12:20	1.27	.12	13:16	1.74	.09
5:20	1.32	.12				7:25	.56	.12	12:25	1.27	.12	13:21	1.74	.09
5:30	1.33	.06				7:30	.56	.12	12:30	1.27	.12	13:26	1.74	.09
5:45	1.33	0				7:35	.56	.12	12:35	1.27	.12	13:31	1.74	.09
6:00	1.34	.12				7:40	.56	.12	12:40	1.27	.12	13:36	1.74	.09
6:15	1.37	.12				7:45	.56	.12	12:45	1.27	.12	13:41	1.74	.09
6:30	1.39	.08				7:50	.56	.12	12:50	1.27	.12	13:46	1.74	.09
6:45	1.40	.04				7:55	.56	.12	12:55	1.27	.12	13:51	1.74	.09
7:00	1.42	.08				8:00	.56	.12	13:00	1.27	.12	13:56	1.74	.09
7:15	1.44	.08				8:05	.56	.12	13:05	1.27	.12	14:01	1.74	.09
7:30	1.45	.04				8:10	.56	.12	13:10	1.27	.12	14:06	1.74	.09
7:45	1.46	.04				8:15	.56	.12	13:15	1.27	.12	14:11	1.74	.09
8:00	1.46	0				8:20	.56	.12	13:20	1.27	.12	14:16	1.74	.09
8:15	1.47	.02				8:25	.56	.12	13:25	1.27	.12	14:21	1.74	.09
8:30	1.47	0				8:30	.56	.12	13:30	1.27	.12	14:26	1.74	.09
9:00	1.47	0				8:35	.56	.12	13:35	1.27	.12	14:31	1.74	.09
9:22	1.47	0				8:40	.56	.12	13:40	1.27	.12	14:36	1.74	.09
9:25	1.48	.20				8:45	.56	.12	13:45	1.27	.12	14:41	1.74	.09
9:30	1.51	.36				8:50	.56	.12	13:50	1.27	.12	14:46	1.74	.09
9:45	1.54	.12				8:55	.56	.12	13:55	1.27	.12	14:51	1.74	.09
10:00	1.55	.04				9:00	.56	.12	14:00	1.27	.12	14:56	1.74	.09
1:15	1.56	.04				9:05	.56	.12	14:05	1.27	.12	15:01	1.74	.09
3:0	1.57	.04				9:10	.56	.12	14:10	1.27	.12	15:06	1.74	.09
4:45	1.58	.04				9:15	.56	.12	14:15	1.27	.12	15:11	1.74	.09
Mar. 4						9:20	.56	.12	14:20	1.27	.12	15:16	1.74	.09
a. m.						9:25	.56	.12	14:25	1.27	.12	15:21	1.74	.09
12:30	1.58	0				9:30	.56	.12	14:30	1.27	.12	15:26	1.74	.09
4:45	1.59	.04				9:35	.56	.12	14:35	1.27	.12	15:31	1.74	.09
1:00	1.60	.04				9:40	.56	.12	14:40	1.27	.12	15:36	1.74	.09
3:0	1.61	.02				9:45	.56	.12	14:45	1.27	.12	15:41	1.74	.09

1 No intensity record.



TABLE 43.—Rainfall at station 54 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 15			STORM OF MAY 23-24—Con.			STORM OF MAY 29-31—Con.			STORM OF JUNE 8—Con.			STORM OF JUNE 11		
May 15			May 24			May 30			June 8			June 11		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
11:00-----	0	-----	4:00-----	0.56	0.12	12:59-----	0.43	0	12:55-----	0.02	0.12	3:40-----	0	-----
1:00-----	0.02	0.12	4:15-----	.57	.04	1:00-----	.44	.60	1:00-----	.04	.24	3:44-----	.01	0.15
2:00-----	.04	.12	4:30-----	.58	.04	1:02-----	.47	.90	2:32-----	0	-----	3:45-----	.01	0
3:00-----	.06	.12	4:45-----	.59	.04	1:15-----	.47	0	p. m.	-----	-----	4:02-----	.01	0
3:30-----	.07	.20	5:00-----	.60	.04	2:00-----	.50	.36	2:32-----	0	-----	4:05-----	.02	.20
3:35-----	.08	.30	5:15-----	.62	.08	2:25-----	.53	.36	3:35-----	.04	.80	4:10-----	.03	.12
4:00-----	.08	0	5:30-----	.63	.04	3:00-----	.55	.24	3:38-----	.08	.80	4:45-----	.03	.12
5:00-----	.10	.12	5:40-----	.64	.06	3:35-----	.56	.12	4:00-----	.08	0	6:45-----	.03	0
12:00-----	.12	.12	5:50-----	.68	.24	4:00-----	.56	0	4:10-----	.10	1.20	5:00-----	.04	.12
p. m.			6:00-----	.72	.24	4:45-----	.58	.24	4:15-----	.10	0	p. m.	-----	-----
12:05-----	.13	.12	6:15-----	.76	.16	4:50-----	.59	.12	4:45-----	.10	0	12:15-----	.04	0
1:00-----	.14	.12	6:30-----	.82	.24	5:00-----	.61	.30	4:50-----	.11	.30	2:00-----	.05	.12
2:00-----	.18	.24	6:45-----	.87	.20	5:40-----	.61	0	5:00-----	.11	0	3:00-----	.05	0
3:00-----	.20	.12	7:00-----	.93	.24	6:00-----	.62	.01	5:00-----	.12	.12	4:00-----	.06	.06
4:00-----	.21	.06	7:15-----	.98	.20	6:00-----	.63	.01	5:10-----	.12	0	5:00-----	.06	0
1:30-----	.21	0	7:30-----	1.00	.08	7:30-----	.63	0	5:20-----	.14	1.20	5:55-----	.08	.24
4:00-----	.22	.06	7:45-----	1.02	.08	7:45-----	.64	.04	5:55-----	.17	.60	5:58-----	.13	1.00
5:00-----	.23	.06	8:00-----	1.03	.04	8:00-----	.65	.04	4:09-----	.17	0	1:00-----	.13	0
2:00-----	.24	.06	8:04-----	1.03	0	8:15-----	.66	.04	10:00-----	.22	3.00	1:06-----	.13	0
STORM OF MAY 19			8:05-----	1.04	.60	8:30-----	.67	.04	12:00-----	.27	1.50	1:08-----	.17	1.20
May 19			9:00-----	1.07	.36	9:00-----	.67	0	1:15-----	.31	.80	1:10-----	.18	.30
p. m.			9:20-----	1.08	.06	9:50-----	.68	.06	1:18-----	.35	.80	1:13-----	.18	0
2:26-----	0	-----	9:30-----	1.09	.06	10:00-----	.69	.06	2:00-----	.35	0	1:15-----	.20	.60
3:00-----	.02	0.30	9:40-----	1.11	.12	10:30-----	.71	.04	6:00-----	.35	0	1:18-----	.22	.40
4:00-----	.02	0	9:50-----	1.13	.12	11:00-----	.73	.04	3:00-----	.36	.02	2:00-----	.35	3.90
4:46-----	.05	1.80	9:55-----	1.14	.12	11:00-----	.73	0	STORM OF JUNE 9			2:22-----	.48	2.40
4:48-----	.10	1.50	9:59-----	1.15	.15	11:00-----	.76	.12	June 9			2:25-----	.55	4.20
4:49-----	.11	.60	10:00-----	1.17	1.20	11:15-----	.77	.04	a. m.			3:00-----	.62	.84
5:00-----	.12	.60	10:03-----	1.19	.40	p. m.			1:15-----	0	-----	3:05-----	.63	.12
5:06-----	.12	0	10:05-----	1.19	0	1:00-----	.77	0	2:00-----	.01	0.12	4:00-----	.64	.

<sup>1</sup> No intensity record.



TABLE 43.—Rainfall at station 54 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 18—Con.			STORM OF JUNE 25—Con.			STORM OF JUNE 30—JULY 1—Continued			STORM OF JULY 22—Con.			STORM OF JULY 26—Con.		
June 18			June 25			June 30			July 22			July 26		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
9:00	0.21	0.12	10:06	0.22	0	10:00	0.23	0.30	5:17	0.49	1.50	8:07	0.70	0.60
10	.23	.12	10	.24	.30	10	.25	.12	20	.54	1.00	10	.70	0
20	.24	.06	20	.25	.06	25	.25	0	25	.55	.12	20	.70	0
22	.25	.30				30	.27	.24	7:18	.55	0	22	.72	.60
25	.25	0	STORM OF JUNE 26			35	.29	.24	20	.57	.60	25	.75	.60
29	.25	0				40	.30	.12	8:30	.57	0			
30	.26	.60				50	.33	.18	33	.63	1.20	STORM OF AUG. 14		
32	.27	.30				11:00	.37	.24	35	.65	.60	Aug. 14		
35	.28	.20				10	.41	.24	44	.65	0	p. m.		
10:05	.28	0	June 26			17	.41	0	45	.66	.60	1:36	0	
10	.29	.12	p. m.			20	.42	.20	STORM OF JULY 23			42	.18	1.80
15	.31	.24	12:16	0		30	.48	.36	July 23			46	.22	.60
30	.31	0	20	.03	0.45	40	.53	.30	p. m.			2:00	.22	0
40	.32	.06	24	.10	1.05	50	.57	.24	12:07	0		4	.24	.30
11:00	.32	0	25	.10	0	12:00	.58	.06	10	.19	3.80	6	.48	7.20
05	.34	.24	50	.10	0				13	.32	2.60	8	.56	2.40
10	.36	.24	1:00	.11	.06	July 1			15	.42	3.00	14	.59	.30
15	.43	.84	10	.12	.06	a. m.			20	.46	.48	19	.66	.84
20	.43	0	50	.12	0	12:10	.62	.24	25	.47	.12	22	.70	.80
25	.44	.12	2:00	.13	.06	20	.63	.06	5:00	.47	0	3:00	.71	.02
30	.45	.12	10	.14	.06	40	.63	0	7:32	.49	0	5:00	.72	T
p. m.			STORM OF JUNE 28			50	.65	.12	35	.54	1.00	18	.73	.03
3:35	.45	0				1:00	.68	.18	40	.63	1.08	STORM OF AUG. 18		
38	.49	.80	June 28			30	.68	0	43	.68	1.00	Aug. 18		
40	.53	1.20	a. m.			40	.69	.06	45	.78	3.00	p. m.		
42	.62	2.70	7:38	0		50	.69	0	47	.88	3.00	5:48	0	
44	.72	3.00	40	.09	2.70	55	.70	.12	50	.98	2.00	54	.26	2.60
45	.76	2.40	42	.23	4.20	2:07	.70	0	55	1.03	.60	56	.32	1.80
47	.85	2.70	44	.40	5.10	10	.71	.20	STORM OF JULY 24			58	.39	2.10
48	.94	5.40	45	.47	4.20	20	.72	.06	July 24			6:00	.41	.60
50	1.04	3.00	47	.53	1.80	STORM OF JULY 11			p. m.			8	.44	.23
52	1.16	3.60	50	.60	1.40	July 11			4:25	0		12	.64	3.00
54	1.28	3.60	54	.70	1.50	p. m.			27	.03	0.90	16	.70	.90
55	1.34	3.60	55	.74	2.40	4:25	0		30	.04	.20	20	.76	.90
58	1.46	2.40	8:00	.78	.48	27	.03	0.90	35	.06	.40	24	.91	2.25
4:00	1.47	.30	05	.79	.12	30	.04	.20	39	.12	1.80	7:00	.92	.02
05	1.50	.36	06	.84	1.50	37	.04	0	41	.27	3.60	8:00	.92	0
10	1.52	.24	08	.84	1.50	50	.06	.40	43	.34	2.10	56	.93	.01
15	1.53	.12	10	.92	2.40	52	.06	0	45	.35	.30	STORM OF AUG. 24-25		
20	1.54	.12	12	.94	.60	55	.11	1.00	50	.38	.36	Aug. 24		
30	1.54	0	15	.94	0	57	.12	.12	55	.39	.12	a. m.		
40	1.55	.06	53	.94	0	6:10	.12	.12	8:35	0		7:34	0	
50	1.56	.06	55	.98	1.20	10	.13	.12	36	.03	1.80	46	.06	0.30
STORM OF JUNE 23			57	1.10	3.60	20	.14	.12	39	.12	1.80	8:00	.07	.04
June 23			58	1.17	4.20	22	.14	0	40	.21	5.40	10:00	.07	0
p. m.			59	1.27	3.00	25	.14	0	41	.27	3.60	11:02	.08	.31
8:22	0.04	(1)	02	1.35	2.40	30	.15	1.40	43	.34	2.10	16	.10	.09
24	.19	4.50	04	1.40	1.50	35	.16	.48	45	.35	.30	56	.11	.02
25	.24	3.00	05	1.44	2.40	40	.17	.24	50	.38	.36	STORM OF JULY 26		
26	.30	3.60	07	1.53	2.70	45	.18	.60	p. m.			July 26		
28	.42	3.60	10	1.54	.20	50	.20	1.20	12:20	0		25	.03	0.36
30	.52	3.00	12	1.54	0	52	.22	.40	33	.03	0	35	.04	.30
32	.57	1.50	15	1.60	1.20	55	.23	.60	35	.05	.12	40	.05	.12
34	.61	1.20	20	1.61	.12	6:10	.27	0	45	.06	.12	45	.06	.12
35	.63	1.20	30	1.63	.12	11	.28	.60	55	.06	0	6:00	.07	.12
40	.65	.24	30	1.65	.12	15	.28	0	50	.07	.12	05	.08	.12
50	.68	.18	40	1.67	.12	44	.30	1.20	10	.09	.12	10	.09	.12
9:00	.70	.12	50	1.70	.18	45	.30	1.20	15	.11	.24	12	.10	.30
10	.73	.18	10:00	1.72	.12	46	.32	1.20	20	.12	.12	16	.11	.30
20	.75	.12	10	1.72	.12	48	.33	.15	25	.14	.24	28	.46	1.00
30	.78	.18	STORM OF JUNE 30-JULY 1			50	.34	.06	30	.14	.24	30	.51	.09
40	.80	.12				7:00			40	.14	0	30	.54	.06
50	.82	.12	June 30			STORM OF JULY 22			45	.15	.12	12:00	.58	.08
10:00	.83	.06	p. m.			July 22			50	.16	.12	STORM OF JULY 26		
30	.83	0	4:00	0		p. m.			5:20	0		July 26		
11:00	.84	.02	10	.02	0.12	2:53	0		25	.03	0.36	p. m.		
STORM OF JUNE 25			20	.02	0	55	.01	0.30	33	.03	0	8:04	0	
June 25			30	.03	.12	58	.03	.40	35	.04	.30	10	.09	.90
p. m.			15	.04	.12	3:00	.03	0	40	.05	.12	20	.10	.01
4:10	0		20	.05	.12	03	.03	0	45	.06	.12	30	.14	.05
15	.02	0.24	40	.05	0	08	.13	1.60	55	.06	0	44	.17	.18
6:41	.02	0	45	.08	.36	10	.18	1.50	6:00	.07	.12	54	.17	.18
45	.03	.15	50	.09	.12	11	.22	2.40	05	.08	.12	10:00	.18	.10
50	.05	.24	6:00	.10	.06	15	.27	.75	10	.09	.12	06	.21	.30
55	.07	.24	20	.10	0	17	.30	.90	15	.09	0	12	.24	.30
7:02	.07	0	30	.11	.06	20	.30	0	20	.11	.24	16	.26	.30
05	.09	.40	40	.14	.18	22	.32	.60	25	.12	.12	28	.46	1.00
08	.17	1.60	50	.16	.12	25	.36	.80	30	.14	.24	30	.51	.09
10	.21	1.20	7:20	.16	0	30	.38	.24	40	.14	0	30	.54	.06
12	.22	.30	25	.19	.36	40	.39	.06	45	.15	.12	12:00	.58	.08
15	.22	0	9:42	.19	0	400	.39	0	7:17	.16	0	STORM OF JULY 26		
			45	.21	.40	4:00	.39	0	20	.17	.20	Aug. 25		
			50	.21	0	5:00	.40	.02	25	.18	.12	a. m.		
			55	.22	.12	5:00	.40	0	30	.20	.24	12:20	.61	.09
			58	.22	0	05	.41	.12	40	.20	0	1:00	.69	.12
						13	.41	0	45	.21	.12	22	.75	.16
						15	.44	.90	50	.21	.12	32	.82	.42
									59	.21	0	2:00	.92	.21
									5:00	.24	1.80	10	.94	.12
									53	.34	2.00	40	.96	.04
									55	.40	1.80	3:00	.97	.03
									8:00	.53	1.56	4:00	.97	0
									03	.65	2.40	6:00	.97	0
									05	.68	.90	7:00	.99	.02

1 No intensity record.



TABLE 43.—Rainfall at station 54 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity					
STORM OF AUG. 25-26			STORM OF AUG. 27—Con.			STORM OF NOV. 1			STORM OF NOV. 10-11—Con.			STORM OF DEC. 27-30—Con.							
Aug. 25			Aug. 27			Nov. 1			Nov. 11			Dec. 27							
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour					
7:10	0		7:00	0.26	0.08	6:30	0		8:00	0.52	0.05	6:00	0.32	0.03					
:30	.03	0.09	:09	.29	.20	7:00	.03	0.06	:22	.55	.08	7:00	.33	.01					
8:00	.04	.02	:24	.34	.20	:10	.04	.06	:30	.58	.23	9:00	.34	T					
9:00	.04	0	8:00	.36	.03	:40	.07	.06	:40	.62	.24	10:00	.35	.01					
10:00	.05	.01	:20	.37	.03	8:00	.10	.09	9:00	.66	.12	:32	.38	.06					
:06	.07	.20	:28	.41	.30	:10	.11	.06	10:00	.68	.02	11:00	.40	.04					
:13	.10	.26	:32	.52	1.65	:20	.13	.12	:32	.72	.08	Dec. 28							
:18	.14	.48	:36	.66	2.10	:30	.17	.24	11:00	.76	.09	a. m.							
11:00	.16	.03	:50	.72	.26	:34	.21	.60	:20	.78	.06	3:00	.40	0					
:06	.17	.10	9:00	.76	.24	:38	.29	1.20	STORM OF DEC. 12			4:00	.42	.02					
:08	.23	1.80	:16	.77	.04	:40	.30	.30	Dec. 12			p. m.							
:14	.27	.40	STORM OF AUG. 29-30			:46	.34	.40	6:00			0							
Aug. 26			Aug. 29			:50	.36	.30	a. m.			:30			.02	.04			
a. m.			p. m.			9:00	.38	.12	7:00			.03	0.03	:46	.05	.11			
12:07	.31	.05	3:22	0		:12	.41	.15	8:00			.04	.01	7:00	.08	.13			
:10	.37	1.20	:26	.10	1.50	:20	.42	.08	9:00			.05	T	8:00	.11	.03			
:14	.39	.30	:30	.16	.90	:30	.45	.18	10:00			.06		9:00	.11	0			
:20	.62	2.30	:33	.26	2.00	:40	.46	.06	11:00			.06	.01	:20	.12	.03			
6:34	.62	0	:36	.29	.60	10:00	.51	.18	12:00			.09	.03	:32	.14	.10			
:50	.65	.11	4:00	.31	.05	:10	.52	.06	p. m.			12:30			.11	.04			
7:00	.66	.06	5:00	.32	.01	:20	.56	.24	12:30			.13	.12	:40	.16	.02			
STORM OF AUG. 27			:17	.32	0	:30	.60	.24	1:00			.14	.03	11:00	.22	.18			
Aug. 27			:24	.36	.34	:40	.62	.12	2:00			.16	.06	:40	.29	.15			
a. m.			:36	.45	.45	:50	.66	.24	3:00			.20	.08	:08	.28	.24			
12:32	0		:50	.50	.22	11:00	.71	.30	4:00			.22	.06	:18	.29	.01			
:40	.04	0.30	6:24	.54	.07	:10	.77	.36	5:00			.22	.08	12:00	.29				
:44	.08	.60	:43	.62	.25	:20	.81	.24	6:00			.24	.15	Dec. 29					
:49	.08	1.92	:47	.64	.30	:30	.83	.12	7:00			.26	.05	a. m.					
:52	.26	.40	7:00	.67	.14	:40	.86	.18	8:00			.27	.04	12:18	.30	.03			
:55	.28	.40	8:00	.72	.05	12:00	.88	.06	9:00			.28	.01	:22	.32	.30			
1:10	.28	0	11:00	.72	0	STORM OF NOV. 10-11			3:00			.28	.01	4:00	.34	.03			
:16	.48	2.00	12:00	.73	.01	Nov. 10			4:00			.31	.03	:10	.35	.06			
:19	.50	.40	Aug. 30			p. m.			5:00			.32	.05	:30	.36	.03			
:22	.55	1.00	a. m.			1:00			6:00			.36	.17	:40	.37	.06			
:34	.55	0	1:00	.74	.01	2:00			7:00			.38	.30	:50	.47	.60			
:36	.64	2.70	2:00	.76	.02	3:00			8:00			.46	.16	2:00	.50	.18			
:42	.66	.20	3:00	.77	.01	4:00			9:00			.46	.03	:12	.52	.10			
STORM OF AUG. 27			4:00	.80	.03	5:00			10:00			.49	.03	:42	.56	.08			
8:30	0	0	5:00	.82	.02	6:00			11:00			.50	.06	3:00	.58	.07			
:32	.04	1.20	6:00	.84	.02	7:00			12:00					:14	.60	.09			
:34	.06	.60	:18	.86	.07	STORM OF DEC. 16			Dec. 16			:24			.61	.06			
:37	.11	1.00	:26	.92	.45	Dec. 16			a. m.			:26			.62	.30			
9:00	.12	.03	:46	1.10	.54	12:20			1:00			4:00			.62	0			
:20	.17	.15	7:00	1.22	.52	1:00			:07			5:00			.68	.36			
:27	.25	.69	:14	1.28	.26	:12			.12			6:00			.69	.01			
:29	.28	.90	:25	1.32	.22	:30			.16			7:00			.70	.01			
:33	.36	1.20	:38	1.48	.74	:44			.20			:30			.72	.02			
:36	.42	1.20	:52	1.53	.22	2:00			.22			:40			.73	.02			
:46	.44	.12	8:00	1.54	.08	:07			.24			8:00			.74	.06			
:52	.46	.20	9:00	1.60	.06	:10			.26			:20			.75	.03			
:56	.62	.90	:32	1.63	.06	:36			.31			:30			.76	.03			
10:04	.89	2.78	:47	1.83	.20	:40			.33			:40			.79	.18			
:11	1.13	2.06	11:00	1.84	.06	:50			.35			:50			.80	.02			
:18	1.15	.17	12:00	1.93	.14	3:00			.38			:12			.82	.10			
:28	1.35	1.20	p. m.			3:00			.38			p. m.			1:00			.82	0
10:33	1.39	.48	1:00	1.96	.03	4:00			.41			2:00			.83	.01			
:48	1.43	.16	2:00	1.97	.01	5:00			.44			4:00			.84				
:53	1.44	.12	3:36	1.97	0	6:00			.47			5:00			.86	.02			
11:00	1.45	.09	:12	1.99	.05	7:00			.49			6:00			.90	.04			
12:00	1.45	0	:20	2.00	.08	STORM OF DEC. 27-30			8:00			7:00			.92	.02			
STORM OF AUG. 27			5:00	2.01	.02	Dec. 27			9:00			8:00			.93	.01			
2:30	0	0	6:00	2.02	.01	p. m.			10:00			9:00			.94	.01			
:38	.05	.38	10:56	2.02	0	3:34			0			10:12			.96				
:24	.06	.03	11:00	2.05	.45	:50			.04			11:00			.97	.01			
4:00	.07	.02	12:00	2.05	0	:40			.06			12:00			.98	.01			
5:00	.07	0	p. m.			:20			.11			Dec. 30			a. m.				
:30	.15	.16	1:00	1.96	.03	:42			.20			1:00			.99	.01			
6:00	.16	.02	2:00	1.97	.01	5:02			.26			2:00			1.00	.01			
:20	.18	.06	3:36	1.97	0	6:48			.47			3:00			1.03	.03			
:44	.24	.15	4:00	1.98	.03	7:00			.47			4:00			1.04	.01			
STORM OF AUG. 27			:12	1.99	.05	STORM OF NOV. 10-11			8:00			5:00			1.05	.01			
2:30	0	0	:20	2.00	.08	Nov. 10			9:00			6:00			1.05	0			
:38	.05	.38	5:00	2.01	.02	p. m.			10:00			7:00			1.06	.01			
3:00	.05	0	6:00	2.02	.01	11:54			0			Dec. 30			a. m.				
:24	.06	.03	10:56	2.02	0	Nov. 11						1:00			.99	.01			
4:00	.07	.02	11:00	2.05	.45	a. m.						2:00			1.00	.01			
5:00	.07	0	12:00	2.05	0	12:12						3:00			1.03	.03			
:30	.15	.16	p. m.			:02						4:00			1.04	.01			
6:00	.16	.02	1:00	1.96	.03	:25			.06			5:00			1.05	.01			
:20	.18	.06	2:00	1.97	.01	:30			.08			6:00			1.05	0			
:44	.24	.15	3:36	1.97	0	:47			.09			7:00			1.06	.01			
STORM OF AUG. 27			:47	1.90	.08	2:00			.11			8:00			1.05	.01			
2:30	0	0	11:00	1.84	.06	:16			.12			9:00			1.05	0			
:38	.05	.38	12:00	1.93	.14	:30			.13			10:00			1.06	.01			
:24	.06	.03	p. m.			:30			.16			11:00			1.06	.01			
4:00	.07	.02	1:00	1.96	.03	4:00			.18			12:00			1.06	.01			
5:00	.07	0	2:00	1.97	.01	:48			.29										
:30	.15	.16	3:36	1.97	0	5:00			.35										
6:00	.16	.02	:12	1.99	.05	6:00			.39										
:20	.18	.06	:20	2.00	.08	7:00			.41										
:44	.24	.15	5:00	2.01	.02	8:00			.42										
STORM OF AUG. 27			6:00	2.02	.01	9:00			.46										
2:30	0	0	10:56	2.02	0	10:00			.47										
:38	.05	.38	11:00	2.05	.45	11:00			.47										
:24	.06	.03	12:00	2.05	0	:35			.50										
4:00	.07	.02	p. m.			STORM OF NOV. 10-11													
5:00	.07	0	1:00	1.96	.03	Nov. 10													
:30	.15	.16	2:00	1.97	.01	p. m.													
6:00	.16	.02	3:36	1.97	0	11:54													
:20	.18	.06	4:00	1.98	.03	Nov. 11													
:44	.24	.15	:12	1.99	.05	a. m.													
STORM OF AUG. 27			:20	2.00	.08	12:12													
2:30	0	0	5:00	2.01	.02	:02													
:38	.05</																		



TABLE 44.—*Rainfall at station 56 for selected storms, 1940*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF Feb. 9-11—Con.			STORM OF FEB. 18—Con.			STORM OF MAR. 2-4—Con.			STORM OF MAR. 18—Continued		
Jan. 14			Feb. 9			Feb. 18			Mar. 2			Mar. 18		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:15	0		11:00	0.15	0	10:30	0.15	0	9:10	0.54	0.30	6:35	0.24	0.12
:20	.01	0.12	:20	.16	.03	:50	.16	.03	:15	.54	0	:40	.24	0
:33	.08	.32				:57	.17	.09	:20	.55	.12	:50	.25	.06
:40	.11	.26	Feb. 10			11:00	.17	0	:40	.57	.12			
:42	.12	.30	a. m.			:14	.19	.09	10:30	.57	0			
:48	.12	0	4:30	.16	0	:20	.21	.20	:38	.58	.08			
:53	.13	.12	5:00	.17	.02	:33	.21	0	:40	.58	0			
7:00	.15	.17	:20	.18	.03	:49	.23	.08	:55	.62	.16			
:17	.23	.28	6:00	.18	0	:51	.24	.30	11:00	.63	.12			
:20	.23	0	7:00	.19	.01	12:00	.25	.07	:14	.66	.13			
:31	.27	.22	9:50	.19	0				:20	.69	.30			
:36	.31	.48	10:00	.20	.06				:24	.72	.45			
:40	.35	.60	:25	.20	0	12:16	.26	.04	:40	.78	.23			
:42	.37	.60	11:00	.22	.03	:17	.27	.60	:50	.83	.30			
:57	.45	.32	:13	.23	.05	:15	.33	.08	12:00	.85	.12			
8:00	.46	.20	:17	.24	.15	2:00	.37	.05						
:10	.47	.06	12:00	.24	0	:11	.38	.05	Mar. 3					
:16	.47	0				:20	.39	.07	a. m.					
:18	.48	.30	p. m.			:22	.39	0	12:06	.85	0			
:20	.48	0	12:40	.25	.02	:32	.40	.06	:20	.89	.17			
:31	.49	.05	1:00	.25	0	:40	.41	.08	:40	.96	.21			
:40	.50	.07	:25	.26	.02	:50	.44	.18	1:00	1.02	.18			
:50	.51	.06	3:42	.26	0	:55	.45	.12	:20	1.07	.15			
9:42	.51	0	:51	.31	.33	3:00	.45	0	:40	1.11	.12			
:50	.52	.08	4:00	.34	.20	:03	.46	.20	:55	1.13	.08			
10:00	.54	.12	:12	.40	.30	:07	.48	.30	2:00	1.13	0			
:05	.55	.12	:15	.40	0	:11	.52	.60	:15	1.14	.04			
:20	.55	0	:20	.42	.24	:14	.53	.20	5:00	1.14	0			
:30	.56	.06	:25	.43	.12	:19	.57	.10	:45	1.15	.01			
			:28	.46	.60	:20	.54	.10	7:10	1.15	0			
			:40	.48	.10	:39	.57	.10	:30	1.16	.03			
			:50	.48	0	:40	.57	0	8:00	1.16	0			
			5:00	.50	.12	:41	.59	1.20	:30	1.17	.03			
			:05	.51	.12	:44	.59	0	9:00	1.17	0			
			:12	.53	.17	:47 <sup>1</sup>	.60	.20	10:00	1.18	.01			
			:20	.54	.08	:57	.63	.18						
			:40	.60	.18	4:00	.64	.20						
			:52	.61	.05	:18	.69	.16	p. m.					
			6:00	.63	.15	:46	.76	.15	4:50	1.18	0			
			:05	.66	.36	5:00	.80	.17	:53	1.19	.20			
			:13	.68	.15	:07	.82	.17	:58	1.24	.60			
			:20	.69	.09	:21	.85	.13	5:00	1.34	3.00			
			:23	.70	.20	:35	.90	.22	:01	1.36	1.20			
			:30	.70	0	6:00	.95	.12	:05	1.49	1.95			
			:40	.72	.12	:10	.97	.12	:08	1.51	.40			
			:46	.74	.20	:25	.99	.08	:10	1.51	0			
			:55	.75	.07	7:00	.99	0	:13	1.52	.20			
			7:18	.75	0	:30 <sup>2</sup>	1.00	.02	:15	1.53	.30			
			:24	.76	.10				:48	1.53	0			
			8:00	.76	0	STORM OF MAR. 2-4			6:00	1.55	.15			
			:05	.78	.24	Mar. 2			:20	1.60	.12			
			:20	.78	0	a. m.			:40	1.62	.06			
			:28	.79	.08	7:50	0		:48	1.64	.06			
			:33	.81	.24	8:00	.02	0.12	:17	1.66	.07			
			:40	.82	.09	:12	.03	.05	:20	1.66	0			
			9:30	.82	0	:20	.04	.08	:30	1.68	.12			
			10:00	.83	.02	:32	.06	.10	:35	1.68	0			
			:20	.84	.03	:40	.08	.15	9:14	1.68	0			
			:40 <sup>1</sup>	.84	0	:40	.08	.15	:20	1.71	.30			
			12:00	.85	.03	9:00	.12	.12	:25	1.73	.24			
			Feb. 11			:20	.15	.09	:35	1.74	.06			
			a. m.			:32	.06	.10	:40	1.74	0			
			12:10	.85	0	:40	.08	.15	:52	1.76	.10			
			:20	.87	.12	:40	.08	.15	10:00	1.76	0			
			:38	.91	.13	9:00	.12	.12	:10	1.78	.12			
			:40 <sup>2</sup>	.92	.30	:20	.15	.09	:20	1.79	.06			
						:40	.18	.09	:35	1.80	.04			
						10:00	.20	.06						
						:13	.22	.09	Mar. 4					
						:20	.23	.09	a. m.					
						:40	.24	.03	12:30	1.80	0			
						:45	.24	0	:50	1.82	.06			
						:47	.25	.30	:06	1.82	0			
						11:00	.26	.05	:25	1.83	.02			
						:20	.26	0						
						:30	.27	.06						
						p. m.								
						4:35	.27	0						
						:40	.28	.12						
						:45	.29	.12						
						:55	.34	.30						
						5:00	.36	.24						
						:10	.38	.12						
						:16	.41	.30						
						:20	.41	0						
						:25	.42	.12						
						8:35	.42	0						
						:40	.44	.24						
						9:00	.49	.15						
						:03	.51	.40						
						:08	.53	.24						

1 Snow began.  
2 Snow ended.



TABLE 44.—Rainfall at station 56 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 7-8—Con.			STORM OF APR. 11—Con.			STORM OF APR. 19-20—Con.			STORM OF MAY 15—Con.			STORM OF MAY 23-24—Con.		
Apr. 7			Apr. 11			Apr. 19			May 15			May 24		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
5:00-----	0.05	0.04	5:35-----	0.59	0.08	8:10-----	0.67	0.10	11:43-----	0.07	0	2:36-----	0.40	0.15
:20-----	.05	0	:40-----	.59	0	:20-----	.71	.24	12:00-----	.11	.14	:40-----	.40	0
:32-----	.07	.10	:50-----	.61	.06	:32-----	.76	.25				:43-----	.41	.20
:34-----	.08	.30	6:00-----	.64	.09	:40-----	.78	.15				:52-----	.41	0
:40-----	.12	.40	:20-----	.67	.10	:50-----	.83	.15	p. m.	.13	.12	:58-----	.42	.10
:47-----	.15	.26	:40-----	.69	.40	9:00-----	.84	.30	:14-----	.15	.30	3:00-----	.42	0
:54-----	.17	.17	:30-----	.73	.12	:02-----	.84	0	:20-----	.18	.30	:06-----	.44	.20
:55-----	.18	.60	:20-----	.78	.23	:06-----	.85	.10	:24-----	.19	.15	:11-----	.45	.12
6:00-----	.19	.12	:30-----	.80	.17	:18-----	.88	.30	:28-----	.20	.15	:15-----	.46	.15
:30-----	.19	0	:40-----	.84	.24	:20-----	.88	0	:30-----	.20	0	:20-----	.47	.12
:33-----	.20	.20	:37-----	.86	.17	:27-----	.90	.17	:40-----	.22	.12	:25-----	.48	.12
:40-----	.21	.08	:40-----	.86	0	:32-----	.92	.24	1:40-----	.22	0	:40-----	.51	.12
7:10-----	.21	0	:40-----	.90	.12	:40-----	.92	0	:44-----	.23	.15	:51-----	.54	.16
:14-----	.23	.30	:04-----	.91	.15	:45-----	.95	.36	:45-----	.23	0	:57-----	.55	.10
10:28-----	.23	0	:13-----	.94	.20	:51-----	.96	.10	:50-----	.24	.12	4:00-----	.55	0
:37-----	.25	.13	:20-----	.95	.08	10:00-----	1.00	.26	2:00-----	.25	.06	:07-----	.56	.09
:40-----	.25	0	:40-----	1.00	.15	:11-----	1.04	.22	:10-----	.26	.06	:18-----	.57	.05
:52-----	.26	.30	:46-----	1.02	.20	:20-----	1.09	.33	:15-----	.27	.12	:20-----	.57	0
11:00-----	.26	0	:49-----	1.02	0	:40-----	1.18	.27				:23-----	.58	.20
:10-----	.27	.06	9:00-----	1.08	.32	:45-----	1.21	.36	STORM OF MAY 19			:30-----	.58	0
			:03-----	1.09	.20	11:00-----	1.28	.28	May 19			:37-----	.59	.09
			:06-----	1.09	0	:03-----	1.28	0	p. m.	0	0.12	:40-----	.59	0
			:20-----	1.13	.17	:20-----	1.38	.35	2:28-----	.01	0	:50-----	.60	.03
			:40-----	1.18	.15	:29-----	1.42	.26	:33-----	.01	0	:10-----	.60	0
			:44-----	1.19	.15	:40-----	1.46	.22	:46-----	.01	0	:20-----	.61	.06
			10:00-----	1.24	.19	:42-----	1.47	.30	:49-----	.05	.80	:32-----	.62	.05
			:05-----	1.26	.24	:49-----	1.48	.09	:50-----	.05	1.80	:39-----	.63	.09
			:20-----	1.29	.12	12:00-----	1.49	.05	:52-----	.08	.30	:40-----	.64	.60
			:40-----	1.31	.06	Apr. 20			3:00-----	.09	.08	:43-----	.66	.40
			:50-----	1.32	.06	a. m.			:52-----	.10	.08	:45-----	.68	.60
			11:00-----	1.32	0	12:02-----	1.50	.30	3:00-----	.10	0	:50-----	.71	.36
			:20-----	1.34	.06	:13-----	1.51	.05	:02-----	.10	0	6:00-----	.75	.24
			:40-----	1.34	0	:20-----	1.52	.09	:08-----	.11	.10	:07-----	.77	.17
			12:00-----	1.36	.06	:40-----	1.52	0	:10-----	.12	.30	:12-----	.78	.12
			STORM OF APR. 19-20			:20-----	1.53	.03	:13-----	.13	.20	:20-----	.80	.15
			Apr. 19			:20-----	1.54	.03	:20-----	.14	.09	:40-----	.85	.15
			a. m.			5:20-----	1.54	0				:52-----	.89	.20
			10:40-----	0	0.04	:23-----	1.55	.20				7:00-----	.92	.23
			:55-----	.01	0	:34-----	1.55	0				:09-----	.94	.13
			11:00-----	.01	0	:40-----	1.56	.10				:20-----	.96	.11
			:03-----	.02	.20	:45-----	1.57	.12				:27-----	.97	.09
			:13-----	.02	0	6:00-----	1.57	0				:40-----	.98	.05
			:20-----	.03	.09	:02-----	1.58	.30				:50-----	.98	0
			:40-----	.05	.06	:20-----	1.58	0	May 23			8:00-----	.99	.06
			:52-----	.07	.10	:22-----	1.59	.30	p. m.	0	0.03	:04-----	1.00	.15
			12:00-----	.10	.22	:37-----	1.66	.28	1:40-----	.01	0	:06-----	1.02	.60
						:40-----	1.68	.40	2:00-----	.01	0	:11-----	1.04	.24
						:47-----	1.75	.60	:15-----	.02	.03	:20-----	1.04	0
						7:00-----	1.82	.32	:35-----	.02	.03	:29-----	1.06	.13
						:07-----	1.86	.34	:40-----	.04	.05	:40-----	1.07	.05
						:16-----	1.90	.26	3:00-----	.04	.05	:46-----	1.08	.10
						:20-----	1.91	.15	:25-----	.05	.02	:51-----	1.10	.24
						:27-----	1.92	.09	:35-----	.06	.06	:55-----	1.11	.15
						:37-----	1.96	.24	4:00-----	.06	0	9:00-----	1.13	.24
						:40-----	1.97	.20	:05-----	.07	.12	:05-----	1.16	.36
						:45-----	1.98	.12	:25-----	.08	.03	:17-----	1.20	.20
						:55-----	2.00	.12	:40-----	.08	0	:20-----	1.20	0
						8:30-----	2.01	.03	5:00-----	.09	.03	:22-----	1.21	.30
						:52-----	2.01	0	7:30-----	.09	0	:40-----	1.25	.13
						9:30-----	2.03	.09	8:00-----	.10	.02	:49-----	1.26	.07
						:43-----	2.05	.24	9:25-----	.10	0	:51-----	1.27	.30
						:48-----	2.06	.24	:42-----	.11	.04	:54-----	1.28	.20
						:54-----	2.06	.10	10:00-----	.11	0	10:00-----	1.29	.10
						10:00-----	2.06	0	:45-----	.12	.01	:07-----	1.31	.17
						:02-----	2.07	.30	11:00-----	.12	0	:20-----	1.32	.05
						:12-----	2.08	.06	:05-----	.14	.24	:25-----	1.33	.12
						:30-----	2.08	0	:10-----	.15	.12	:37-----	1.34	.05
						:33-----	2.09	.20	:50-----	.16	.02	:40-----	1.35	.20
						11:00-----	2.10	.02	:55-----	.17	.12	:50-----	1.35	0
						:13-----	2.10	0	12:00-----	.17	0	11:00-----	1.36	.06
						:30-----	2.11	.04				:05-----	1.39	.36
						:34-----	2.11	0	May 24			:17-----	1.40	.05
						:37-----	2.12	.20	a. m.	.18	.02	:19-----	1.44	1.20
									12:32-----	.18	0	:20-----	1.45	.60
									:41-----	.18	0	:24-----	1.46	.15
									:47-----	.19	.10	:28-----	1.48	.30
									:53-----	.20	.10	:40-----	1.51	.15
									1:00-----	.20	0	:49-----	1.54	.20
									:08-----	.21	.08	:53-----	1.55	.15
									:12-----	.22	.15	12:00-----	1.58	.26
									:17-----	.23	.12			
									:20-----	.24	.20	p. m.	1.58	0
									:25-----	.25	.12	12:03-----	1.59	.20
									:30-----	.27	.24	:06-----	1.59	.20
									:33-----	.28	.20	:13-----	1.60	.09
									:35-----	.28	0	1:47-----	1.60	0
									3:00-----	.29	.12	:50-----	1.61	.20
									:40-----	.31	.30	:55-----	1.63	.24
									:44-----	.31	.30	:57-----	1.63	0
									:53-----	.33	.13	:58-----	1.64	.60
									2:00-----	.34	.09	:59-----	1.68	2.40
									:15-----	.36	.08	2:00-----	1.70	1.20
									:20-----	.37	.12	:10-----	1.72	.12
									:24-----	.37	0	:20-----	1.73	.06



TABLE 44.—Rainfall at station 56 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-30			STORM OF MAY 29-30—Con.			STORM OF JUNE 11—Con.			STORM OF JUNE 18—Con.			STORM OF JUNE 28—Con.		
May 29			Mar 30			June 11			June 18			June 28		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
4:48	0		6:00	1.13	0.11	12:50	0.03	0.30	3:45	0.12	3.30	9:00	1.27	3.00
:50	.01	0.30	:40	1.18	.08	:52	.06	.90	:47	.20	2.40	:02	1.40	3.90
:56	.02	.10	7:00	1.19	.03	:53	.09	1.80	:48	.28	4.80	:05	1.45	1.00
5:00	.03	.15	:20	1.19	0	:55	.11	.60	:50	.38	3.00	:08	1.59	2.80
:02	.04	.30	:23	1.20	.08	1:00	.13	.24	:51	.46	4.80	:09	1.60	.60
:07	.05	.12	:41	1.21	.05	:03	.13	0	:52	.51	3.00	:14	1.63	.36
:10	.11	1.20	:48	1.22	.09	:07	.15	.30	:54	.58	2.10	:16	1.67	1.20
:11	.12	.60	8:00	1.23	.05	:12	.15	0	:55	.64	3.60	:20	1.69	.30
:14	.13	.20	:10	1.23	0	:14	.17	.60	:56	.70	3.60	:29	1.70	.07
:16	.13	0	:25	1.24	.04	:17	.18	.20	:58	.80	3.00	:31	1.71	.30
:18	.14	.30	:50	1.26	.05	:19	.28	3.00	4:00	.83	.90	:40	1.73	.13
:27	.14	0	9:00	1.26	0	:20	.32	2.40	:03	.87	.80	:46	1.73	0
:30	.16	.40	:05	1.27	.12	:25	.56	2.88	:05	.88	.30	:56	1.76	.18
:31	.20	2.40	STORM OF JUNE 7			:26	.60	2.40	:07	.89	.30	10:00	1.77	.15
:34	.31	2.20				:28	.63	.90	:08	.91	1.20	:07	1.79	.17
:35	.33	1.20				:30	.64	.30	:10	.92	.30	11:00	1.79	0
:37	.34	.30				:40	.65	.06	:14	.93	.15	:25	1.80	.02
:43	.34	0				:50	.66	.06	:15	.94	.60	12:00	1.80	0
:45	.35	.30				STORM OF JUNE 12			:20	.95	.12	<i>p. m.</i>		
:50	.36	.12							:30	.95	0	12:40	1.81	.02
9:35	.36	0							:35	.96	.12			
:40	.38	.24							:40	.96	0			
:43	.41	.60							:50	.97	.06			
:47	.43	.30							STORM OF JUNE 23			STORM OF JUNE 30		
:50	.44	.20												
10:00	.45	.06												
:05	.45	0												
:10	.46	.12												
:20	.47	.06												
:24	.47	0												
:30	.49	.20												
:40	.49	0												
:43	.50	.20												
:50	.51	.09												
11:00	.52	.06												
May 30														
<i>a. m.</i>														
12:58	.52	0												
1:00	.54	.60												
:01	.55	.60												
:07	.55	0												
:10	.56	.20												
:15	.57	.12												
:17	.57	0												
:20	.59	.40												
:22	.61	.60												
:27	.64	.36												
:30	.65	.21												
:31	.66	.60												
:36	.67	.12												
:40	.69	.30												
:48	.72	.23												
:49	.73	.60												
:50	.73	0												
:58	.74	.08												
7:35	.74	0												
:52	.75	.04												
8:00	.76	.08												
:10	.76	0												
:30	.77	.03												
9:00	.79	.04												
:05	.80	.12												
:15	.80	0												
:23	.81	.08												
10:00	.82	.02												
:43	.82	0												
11:00	.84	.07												
<i>p. m.</i>														
1:20	.84	0												
:27	.85	.09												
:50	.86	.03												
2:00	.86	0												
:20	.88	.06												
:40	.89	.03												
:52	.90	.05												
3:00	.91	.08												
:19	.93	.06												
:30	.95	.11												
:40	.95	0												
4:00	.97	.06												
:32	1.01	.08												
:47	1.04	.12												
:50	1.05	.20												
:58	1.06	.08												
5:00	1.06	0												
:04	1.07	.15												
:08	1.07	0												
:13	1.08	.12												
:32	1.09	.03												
:43	1.10	.05												
STORM OF JUNE 7			STORM OF JUNE 8			STORM OF JUNE 11			STORM OF JUNE 12			STORM OF JUNE 18		
June 7			June 8			June 11			June 12			June 18		
<i>a. m.</i>			<i>p. m.</i>			<i>a. m.</i>			<i>p. m.</i>			<i>a. m.</i>		
11:35			12:05			7:42			8:00			7:38		
:50			:35			:44			:13			:40		
12:00			1:00			:46			:20			:42		
						:50			:23			:44		
						:08			:28			:46		
						:10			:30			:48		
						:11			:32			:50		
						:17			:33			:52		
						:20			:34			:54		
						:23			:35			:56		
						:25			:36			:58		
						:27			:37			:60		
						:29			:38			:62		
						:31			:39			:64		
						:33			:40			:66		
						:35			:41			:68		
						:37			:42			:70		
						:39			:43			:72		
						:41			:44			:74		
						:43			:45			:76		
						:45			:46			:78		
						:47			:47			:80		
						:49			:48			:82		
						:51			:49			:84		
						:53			:50			:86		
						:55			:51			:88		
						:57			:52			:90		
						:59			:53			:92		
						:01			:54			:94		
						:03			:55			:96		
						:05			:56			:98		
						:07			:57			:1.00		
						:09			:58			:1.02		
						:11			:59			:1.04		
						:13			:01			:1.06		
						:15			:02			:1.08		
						:17			:03			:1.10		
						:19			:04			:1.12		
						:21			:05			:1.14		
						:23			:06			:1.16		
						:25			:07			:1.18		
						:27			:08			:1.20		
						:29			:09			:1.22		
						:31			:10			:1.24		
						:33			:11			:1.26		
						:35			:12			:1.28		
						:37			:13			:1.30		
						:39			:14			:1.32		
						:41			:15			:1.34		
						:43			:16			:1.36		
						:45			:17			:1.38		
						:47			:18			:1.40		
						:49			:19			:1.42		
						:51			:20			:1.44		
						:53			:21			:1.46		
						:55			:22			:1.48		
						:57			:23			:1.50		
						:59			:24			:1.52		
						:01			:25			:1.54		
						:03			:26			:1.56		
						:05			:27			:1.58		
						:07			:28			:1.60		
						:09			:29			:1.62		
						:11			:30			:1.64		
						:13			:31			:1.66		
						:15			:32			:1.68		
						:17			:33			:1.70		
						:19			:34			:1.72		
						:21			:35			:1.74		
						:23			:36			:1.76		
						:25			:37			:1.78		
						:27			:38			:1.80		
						:29			:39			:1.82		
						:31			:40			:1.84		
						:33			:41			:1.86		
						:35			:42			:1.88		
						:37			:43			:1.90		
						:39			:44			:1.92		
						:41			:45			:1.94		
						:43			:46			:1.96		
						:45			:47			:1.98		
						:47			:48			:2.00		
						:49			:49			:2.02		
						:51			:50			:2.04		
						:53			:51			:2.06		
						:55			:52			:2.08		
						:57			:53			:2.10		
						:59			:54			:2.12		
						:01			:55			:2.14		
						:03			:56			:2.16		
						:05			:57			:2.18		
						:07			:58			:2.20		
						:09			:59			:2.22		
						:11			:01			:2.24		
						:13			:02			:2.26		
						:15			:03			:2.28		
						:17			:04			:2.30		
						:19			:05			:2.32		
						:21			:06			:2.34		
						:23			:07			:2.36		
						:25			:08			:2.38		
						:27			:09			:2.40		
						:29			:10			:2.42		
						:31			:11			:2.44		
						:33			:12			:2.46		
						:35			:13			:2.48		
						:37			:14			:2.50		
						:39			:15			:2.52		



TABLE 44.—Rainfall at station 56 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 23			STORM OF AUG. 14—Con.			STORM OF AUG. 27—Continued			STORM OF AUG. 29—30—Continued			STORM OF SEPT. 9-10		
July 23			Aug. 14			Aug. 27			Aug. 29			Sept. 9		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:17	0		1:41	0.10	4.20	1:18	0.42	0.60	4:00	0.50	0	11:37	0	
:18	.02	1.20	:45	.22	1.80	:20	.43	.30	:10	.51	.06	:42	.03	0.36
:19	.10	4.80	:50	.25	.36	:30	.44	.06	5:15	.51	0			
:20	.15	3.00	2:04	.25	0	:33	.50	1.20	:20	.53	.24	Sept. 10		
:22	.31	4.80	:06	.28	.90	:35	.51	.30	:23	.55	.40	<i>a. m.</i>		
:25	.38	1.40	:08	.34	1.80	:40	.52	.12	:30	.66	.94	12:04	.09	.16
:30	.43	.60	:10	.41	2.10	:45	.53	.12	:40	.71	.30	:15	.11	.11
:32	.44	.30	:12	.49	2.40				:48	.74	.22	:30	.15	.16
:40	.45	.08	:16	.50	.15	8:30	0		:00	.75	.05	:30	.17	.04
7:32	0		:20	.52	.30	:33	.05	1.00	:08	.76	.08	:30	.19	.04
:35	.06	1.20	:22	.53	.30	:38	.12	.84	:20	.77	.05	:40	.23	.24
:40	.12	.72	:23	.60	4.20	:40	.13	.30	:24	.78	.15	:50	.30	.42
:42	.13	.30	:26	.68	1.60	9:02	.13	0	:32	.81	.22	2:00	.32	.12
:43	.15	1.20	3:30	.68	0	:14	.17	.20	:40	.86	.38	:30	.34	.12
:44	.20	3.00	4:00	.69	.02	:19	.17	0	:45	.89	.36	3:00	.36	.02
:45	.22	1.20	5:15	.69	0	:20	.18	.60	:50	.90	.12	4:00	.37	.01
:50	.30	.96	:20	.71	.24	:25	.28	1.20	:57	.91	.09			
:55	.36	.72				:30	.32	.48	7:00	.93	.40			
:58	.37	.20				:35	.46	1.68	:01	.94	.60			
STORM OF JULY 24			STORM OF AUG. 18			:39	.50	.60	:20	.95	.03	STORM OF SEPT. 24-25		
July 24			Aug. 18			:48	.60	0	:35	.97	.08	Sept. 24		
<i>p. m.</i>			<i>p. m.</i>			:51	.61	.20	:40	.97	0	<i>p. m.</i>		
8:32	0		5:50	0		:57	.64	.30	8:00	.98	.03	9:04	0	
:35	.10	2.00	:52	.19	5.70	10:00	.61	1.40	11:30	.98	0	:06	.07	2.10
:37	.14	1.20	:57	.34	1.80	:03	.77	3.20	12:00	.99	.02	:08	.10	.90
:40	.17	.60	6:00	.35	.20	:05	.85	2.40				:12	.11	.15
:43	.18	.20	:05	.36	.12	:11	1.05	2.00	Aug. 30			10:00	.13	.03
:45	.21	.90	:07	.38	.60	:15	1.09	.60	12:25	.99	0	:30	.15	.04
:50	.24	.36	:13	.68	2.00	:17	1.09	0	:50	1.00	.02	:40	.18	.18
:58	.28	.30	:17	.73	.75	:20	1.14	1.00	:40	1.01	.03	:50	.20	.12
9:00	.28	0	:20	.79	.80	:29	1.30	1.07	2:00	1.02	.03	11:00	.25	.30
:30	.29	.02	:25	.90	1.32	:33	1.35	.75	:25	1.04	.05	:12	.31	.30
STORM OF JULY 26			:40	.91	.04	:35	1.36	.30	3:00	1.04	0	:18	.46	1.50
July 26			7:00	.92	.03	:44	1.40	.60	:22	1.06	.30	:28	.48	.12
<i>p. m.</i>			STORM OF AUG. 25-26			11:50	1.40	0	:40	1.07	.02	:32	.60	.30
6:05	0		Aug. 25			12:20	1.41	.02	:20	1.07	0	:42	.52	.12
:12	.01	0.09	<i>p. m.</i>			:50	1.42	.02	:37	1.09	.07	12:00	.55	.10
:15	.04	.60	:27	.01	0.02	2:30	1.42	0	5:00	1.09	0	Sept. 25		
:19	.07	.45	:33	.02	.10	:35	1.45	.36	:15	1.10	.04	<i>a. m.</i>		
:20	.08	.60	:55	.03	.03	:45	1.46	.06	:45	1.11	.02	12:30	.59	.08
:22	.10	.60	10:04	.03	0	3:23	1.46	0	:50	1.12	.06	1:00	.63	.08
:25	.11	.20	:07	.06	.60	:30	1.47	.09	:10	1.12	.06	:30	.70	.14
:36	.12	.05	:13	.07	.10	4:56	1.47	0	:18	1.14	.15	2:00	.72	.04
:40	.16	.60	:17	.15	1.20	5:00	1.48	.15	:20	1.15	.30	:20	.74	.06
:43	.17	.20	:30	.16	.05	:13	1.53	.23	:24	1.19	.60	:30	.80	.36
:44	.17	.60	:59	.16	0	:20	1.54	.09	:29	1.26	.84	:40	.82	.12
7:10	.17	0	11:00	.17	.60	:31	1.56	.11	:40	1.38	.65	3:00	.86	.12
:13	.18	.20	:05	.18	.12	:40	1.56	0	:45	1.43	.60	:14	.88	.09
:15	.21	.90	:07	.22	1.20	5:58	1.57	.03	:53	1.48	.38	4:00	.91	.04
:20	.24	.36	:13	.26	.40	:03	1.58	.20	:57	1.54	.22	5:00	.93	.02
:23	.25	.20	:16	.27	.20	:15	1.59	.05	7:00	1.56	.40	6:00	.94	.01
:26	.26	.04	:36	.28	.03	:20	1.60	.12	:10	1.60	.24	7:00	.95	.01
:37	.26	0	:55	.29	.03	:32	1.61	.15	:20	1.65	.30			
:44	.26	0	STORM OF AUG. 26			:40	1.64	.22	:33	1.66	.30			
:46	.28	.60	Aug. 26			7:00	1.70	.26	:40	1.84	.34			
:51	.44	1.92	<i>a. m.</i>			:04	1.72	.30	:43	1.86	.40			
:53	.48	1.20	12:06	.29	0	:13	1.74	.13	8:00	1.89	.11			
8:00	.53	.43	:10	.35	.90	:20	1.78	.34	:20	1.91	.06			
:03	.54	.20	:14	.38	.45	:25	1.79	.12	:40	1.93	.06			
:13	.54	0	:18	.60	3.30	:40	1.80	.04	9:00	1.96	.09			
:18	.61	.84	:19	.61	.60	:40	1.80	0	:20	1.98	.06			
:30	.62	.05	:50	.62	.01	8:12	1.81	.08	:30	1.98	0			
STORM OF JULY 27			6:00	.63	.06	:20	1.82	.12	:45	2.00	.12			
July 27	0.01	( <sup>3</sup> )	:37	.63	0	:25	1.82	.12	:56	2.02	.11			
STORM OF AUG. 14			:38	.65	1.20	:31	1.92	1.00	10:00	2.02	0			
Aug. 14			:49	.67	.11	:35	2.12	3.00	:20	2.08	.18			
<i>a. m.</i>			7:00	.68	.05	:38	2.19	1.40	:40	2.15	.21			
2:29	0		STORM OF AUG. 27			:40	2.20	.30	:51	2.18	.16			
:34	.08	0.96	Aug. 27			9:00	2.25	.15	11:00	2.18	0			
:36	.10	.60	<i>a. m.</i>			:07	2.27	.17	:10	2.20	.12			
:42	.11	.10	12:22	0		:13	2.28	.10	:17	2.20	0			
			:25	.02	0.40	:20	2.28	0	:20	2.21	.20			
			:38	.05	.14	:30	2.29	.06	:40	2.24	.09			
			:40	.09	1.20	STORM OF AUG 29-30			:57	2.28	.14			
			:46	.21	1.20	Aug. 29			12:00	2.28	0			
			:50	.23	.30	<i>p. m.</i>								
			1:00	.24	.06	12:20	2.29	.03						
			:07	.24	0	:34	2.29	0						
			:12	.36	1.44	:40	2.30	.10						
			STORM OF AUG. 29			:48	2.32	.15						
			Aug. 29			3:21	0							
			<i>a. m.</i>			:22	.04	2.40						
			12:22	0		:24	.16	3.60						
			:25	.02	0.40	:25	.20	2.40						
			:38	.05	.14	:29	.31	1.65						
			:40	.09	1.20	:30	.36	3.00						
			:46	.21	1.20	:35	.47	1.32						
			:50	.23	.30	:40	.49	.24						
			1:00	.24	.06	:47	.50	.09						
			:07	.24	0									
			:12	.36	1.44									

\* No intensity record.



TABLE 44.—Rainfall at station 56 for selected storms, 1940—Continued

[illegible]

TABLE 45.—Rainfall at station 100 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF JAN. 14—Con.			STORM OF FEB. 6—Con.			STORM OF FEB. 6—Con.			STORM OF FEB. 10-11—Con.		
Jan. 14			Jan. 14			Feb. 6			Feb. 6			Feb. 10		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:15.....	0	-----	9:40.....	0.52	0.06	8:00.....	0.07	0.03	3:35.....	0.47	0.30	4:52.....	0.25	0
:20.....	.01	0.12	:50.....	.54	.12	:20.....	.09	.06	:40.....	.48	.12	:55.....	.26	.20
:25.....	.03	.24	10:00.....	.57	.18	:40.....	.12	.09				5:00.....	.27	.12
:30.....	.05	.24	:10.....	.60	.18	9:00.....	.16	.12				:10.....	.29	.12
:32.....	.06	.30	:20.....	.62	.12	:20.....	.18	.06				:20.....	.32	.18
:35.....	.07	.20	:30.....	.63	.06	:40.....	.21	.09				:30.....	.34	.12
:40.....	.08	.12	:40.....	.65	.12	:50.....	.24	.18				:35.....	.34	0
:50.....	.09	.06				10:00.....	.28	.24				:40.....	.36	.24
:00.....	.11	.12				:10.....	.32	.24				:45.....	.38	.24
:05.....	.14	.36	<i>p. m.</i>			:20.....	.35	.18	<i>p. m.</i>			:50.....	.38	0
:10.....	.16	.24	2:13.....	.65	0	:30.....	.37	.12	1:00.....	.01	0.01	6:00.....	.41	.18
:15.....	.17	.12	:15.....	.67	.60	:30.....	.37	0	2:00.....	.02	.01	:10.....	.44	.18
:20.....	.18	.12	:20.....	.68	.12	11:00.....	.37	.02	3:44.....	.02	0	:20.....	.46	.12
:25.....	.19	.12	:30.....	.70	.12	:30.....	.38		:45.....	.04	1.20	:30.....	.47	.06
:30.....	.21	.24							:48.....	.04	0	:40.....	.50	.18
:40.....	.28	.42	STORM OF FEB. 6			<i>p. m.</i>			:50.....	.06	.60	:45.....	.50	0
:50.....	.32	.24				12:43.....	.38	0	:53.....	.08	.40	:50.....	.51	.12
8:00.....	.36	.24				:45.....	.39	.30	:55.....	.08	0	:55.....	.52	.06
:10.....	.40	.24	Feb. 6			:55.....	.39	0	:10.....	.09	.12	7:00.....	.52	0
:20.....	.42	.12	<i>a. m.</i>			:10.....	.42	.06	:05.....	.12	.36	:30.....	.53	.06
:30.....	.45	.18	6:30.....	0	-----	:26.....	.42	0	:10.....	.15	.36	:40.....	.54	.06
:35.....	.46	.12	:40.....	.01	0.06	:28.....	.44	.60	:15.....	.16	.12	8:00.....	.54	0
:37.....	.47	.30	:50.....	.02	.06	:30.....	.44	0	:20.....	.18	.24	:10.....	.55	.06
:40.....	.47	0	:50.....	.03	.06	:35.....	.44	0	:25.....	.19	.12	:20.....	.57	.12
:50.....	.47	0	:20.....	.04	.03	:40.....	.45	.12	:30.....	.21	.24	:32.....	.57	0
9:00.....	.49	.12	:40.....	.06	.06	:50.....	.46	.06	:35.....	.24	.36	:35.....	.58	.20
:20.....	.50	.03				3:33.....	.46	0	:40.....	.25	.12	:40.....	.60	.24



TABLE 45.—*Rainfall at station 100 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF FEB. 10-11—Con.			STORM OF MAR. 2-4—Con.			STORM OF MAR. 30			STORM OF APR. 7-8—Con.			STORM OF APR. 11—Con.					
Feb. 10			Mar. 2			Mar. 30			Apr. 7			Apr. 11			STORM OF APR. 19-20		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
11:30	0.60	0	5:20	0.32	0.12	4:04	0		10:50	0.21	0.06	10:40	1.32	0.12			
:40	.61	0.06	:30	.34	.12	:05	.01	0.60	11:00	.22	.06	11:00	1.34	.06			
:47	.61	0	6:00	.35	.02	:10	.02	.12	:10	.23	.06	:20	1.36	.06			
:50	.62	.20	8:40	.35	0	:15	.03	.12				:40	1.38	.06			
12:00	.66	.24	:50	.36	.06	5:25	.03	0									
Feb. 11			9:00	.39	.18	:30	.04	.12	Apr. 8								
<i>a. m.</i>			:10	.44	.30	:45	.06	.08	<i>a. m.</i>								
12:10	.69	.18	:20	.45	.06	6:00	.08	.08	3:45	.23	0						
:20	.74	.30	:30	.46	.06	:15	.11	.12	:50	.24	.12						
:30	.78	.24	:40	.47	.06	:30	.13	.08	:55	.25	.12						
:40	.83	.30	:50	.48	.06	:45	.16	.12	4:00	.26	.12						
:50	.84	.06	10:31	.48	0	7:00	.18	.08	:05	.27	.12						
1:00	.85	.06	:35	.49	.15	:15	.19	.04	:10	.30	.36						
			:40	.50	.12	:30	.21	.08	:15	.31	.12						
			:45	.51	.12	:45	.22	.04	:23	.31	0						
			11:00	.55	.16	8:00	.23	.04	:25	.32	.30						
			:15	.58	.12	:15	.24	.04	:30	.33	.12						
			:30	.65	.28	:30	.25	.04	6:55	.33	0						
			:45	.69	.16	9:00	.26	.02	:57	.36	.90						
			12:00	.73	.16	:30	.28	.04	:58	.38	1.20						
						10:00	.29	.02	7:00	.38	0						
						11:00	.29	0	:05	.38	0						
						:15	.30	.04	:10	.39	.12						
						:30	.30	0	:20	.39	0						
						:45	.31	.04	:30	.40	.06						
						12:00	.32	.04	8:00	.41	.30						

‡ No intensity record.



TABLE 45.—Rainfall at station 100 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 19-20—Con.			STORM OF MAY 19—Con.			STORM OF MAY 23-24—Con.			STORM OF MAY 29-30—Con.			STORM OF JUNE 9—Con.		
Apr. 20			May 19			May 24			May 30			June 9		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:56	1.97	0.50	2:48	0.07	1.50	11:45	1.52	0.12	3:30	0.96	0.08	4:00	0.26	0.48
7:00	1.98	.15	:50	.09	.60	:50	1.57	.60	:45	.97	.04	:05	.28	.24
:03	2.00	.40	:55	.10	.12	:55	1.58	.12	4:00	.98	.04	:10	.29	.12
:10	2.02	.17	3:00	.11	.12	12:00	1.69	.12	:15	.99	.04	:15	.30	.12
:20	2.03	.06	:05	.12	.12				:30	1.02	.12	10:30	.30	0
:25	2.04	.12	:08	.13	.20	p. m.			:45	1.05	.12	:40	.32	.12
:29	2.04	0	:10	.15	.60	12:15	1.65	.24	5:00	1.07	.08	:50	.34	.12
:31	2.06	.60	STORM OF MAY 23-24			:30	1.68	.12	:15	1.09	.08	11:00	.35	.06
:40	2.09	.20				:45	1.70	.08	:30	1.10	.04	:05	.36	.12
:45	2.11	.24				2:25	1.70	0	:45	1.11	.04	STORM OF JUNE 10		
8:00	2.12	.04				:27	1.72	.60	6:00	1.13	.08	June 10		
:10	2.13	.06				:29	1.77	1.50	:15	1.14	.04	p. m.		
9:40	2.13	0				:30	1.78	.60	:30	1.16	.08	1:09	0	
10:00	2.15	.06				:35	1.80	.24	:45	1.17	.04	:10	.02	1.20
:15	2.16	.04				:40	1.81	.12	8:00	1.18	.04	:15	.09	.84
:25	2.17	.06				:45	1.82	.12	:15	1.18	0	:20	.14	.60
:45	2.17	0				STORM OF MAY 29-30			:30	1.19	.04	:22	.16	.60
:50	2.18	.12							:45	1.20	.04	:24	.20	1.20
11:00	2.19	.06							9:00	1.25	.04	:25	.23	1.80
:40	2.20	.02							:30	1.26	.02	:26	.29	3.60
12:00	2.21	.03							STORM OF JUNE 7			:28	.42	3.90
												:30	.52	3.00
												:33	.56	.80
												:35	.67	3.30
												:36	.72	3.00
												:40	.83	1.65
												:41	.85	1.20
												:45	.85	0
												2:05	.85	0
												:06	.87	1.20
												:10	.87	0
												:17	.87	0
												:20	.88	.20
												:30	.89	.06
												3:03	.89	0
												:05	.90	.30
												:10	.92	.24
												:15	.93	.12
												:20	.96	.36
												:25	.97	.12
												4:00	.97	0
												:20	.98	.03
												7:05	.98	0
												:10	.99	.12
												:15	1.00	.12
												STORM OF JUNE 11		
												June 11</		



TABLE 45.—Rainfall at station 100 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 12—Con.			STORM OF JUNE 18—Con.			STORM OF JUNE 28—Con.			STORM OF JULY 11			STORM OF JULY 23—Con.		
June 12		Inches per hour	June 18		Inches per hour	June 28		Inches per hour	July 11		Inches per hour	July 23		Inches per hour
p. m.	Inches		p. m.	Inches		a. m.	Inches		p. m.	Inches		p. m.	Inches	
12:15	0.46	1.50	4:05	1.05	0.60	8:12	1.02	2.70	3:13	0		7:50	1.48	2.20
17	.48	.60	10	1.07	.24	14	1.04	.60	15	.04	1.20	52	1.53	1.50
18	.54	3.60	20	1.08	.06	15	1.04	0	18	.05	.20	55	1.57	.80
22	.56	.60	30	1.09	.06	35	1.04	0	20	.05	0	58	1.58	.20
25	.65	2.70	STORM OF JUNE 23			40	1.05	.12	4:27	.05	0	STORM OF JULY 24		
30	.66	0	June 23			55	1.05	0	30	.09	.80	July 24		
40	.67	.06	p. m.			58	1.16	2.20	5:00	.09	0	8:36	0	
50	.68	.06	8:22	.03	(1)	9:00	1.26	3.00	5:05	.12	.36	40	.12	1.80
1:20	.68	0	24	.17	4.20	10:2	1.36	3.00	5:10	.18	1.80	43	.25	2.60
30	.69	.06	25	.27	6.00	10:5	1.44	1.60	5:20	.20	.40	45	.26	.30
8:55	0		27	.38	3.30	10:8	1.54	2.00	5:25	.21	.30	50	.26	0
57	.03	.90	28	.48	6.00	10:10	1.64	3.00	5:27	.21	0	52	.28	.60
58	.08	3.00	30	.60	3.60	11	1.66	.24	5:30	.23	.40	55	.28	0
9:00	.14	1.80	32	.65	1.50	15	1.70	.80	5:35	.24	.12	9:00	.28	0
105	.16	.24	35	.68	.60	20	1.71	.30	5:40	.26	.12	10	.29	.06
13	.16	0	40	.70	.24	30	1.73	.12	6:12	.36	0	STORM OF JULY 26		
15	.17	.30	45	.72	.24	40	1.75	.12	15	.38	.40	July 26		
18	.19	.40	50	.74	.12	50	1.77	.12	17	.38	0	5:20	0	
20	.19	0	55	.74	.12	10:00	1.80	.18	20	.41	.60	40	.01	0.03
STORM OF JUNE 14			9:00	.75	.12	STORM OF JUNE 30—JULY 1			47	.41	0	6:00	.03	.06
June 14			105	.77	.24	June 30			50	.41	0	10	.04	.06
p. m.			110	.78	.12	p. m.			55	.41	0	20	.05	.06
5:20	0		120	.81	.18	3:50	0		6:12	.43	.12	30	.07	.12
30	.04	0.24	20	.84	.18	4:00	.02	0.12	7:00			40	.08	.06
50	.04	0	30	.87	.18	10	.03	.06	July 22			7:18	.08	0
55	.07	.36	40	.88	.06	20	.03	0	p. m.			20	.09	.30
STORM OF JUNE 18			50	.89	.06	30	.04	.06	2:58	0		22	.09	0
June 18			STORM OF JUNE 25			5:05	.04	0	3:00	.01	0.30	25	.14	1.00
a. m.			June 25			10	.05	.12	3:03	.02	.20	30	.15	.12
7:45	0		p. m.			15	.06	.12	3:05	.10	2.40	44	.15	0
50	.05	0.60	6:35	0	0.12	32	.06	0	3:08	.27	3.40	45	.16	.60
52	.09	1.20	40	.01	0.12	35	.07	.20	3:10	.31	1.20	50	.17	.12
55	.09	0	45	.03	.24	40	.08	.12	3:15	.49	2.16	51	.17	0
8:00	.10	.12	50	.05	.24	50	.09	.06	3:18	.56	1.40	53	.23	1.80
105	.11	.12	55	.07	.40	6:00	.10	.06	3:20	.65	2.70	55	.28	1.50
107	.11	0	7:02	.07	0	10	.10	0	3:25	.71	.72	8:00	.34	.72
110	.12	.20	105	.07	0	20	.12	.30	3:27	.73	.60	101	.35	.60
120	.15	.18	110	.11	0	30	.16	.12	3:30	.74	.20	103	.45	3.00
130	.17	.12	120	.12	1.00	40	.17	.30	3:35	.75	.30	105	.48	.90
150	.17	0	130	.18	.72	50	.18	0	4:50	.79	0	125	.50	.60
55	.19	.24	140	.21	.90	7:18	.19	.20	5:00	.80	.06	30	.51	.12
9:00	.20	.12	15	.22	.20	45	.20	.12	10	.81	.20	STORM OF JULY 27		
10	.22	.12	35	.22	0	55	.22	0	13	.85	1.20	July 27		
20	.23	.06	40	.23	.12	10:00	.24	.24	15	.87	.24	p. m.		
30	.26	.18	STORM OF JUNE 26			110	.26	.12	20	.87	0	6:17	0	
32	.26	0	June 26			10	.26	.12	30	.88	.06	20	.06	1.20
35	.28	.40	p. m.			25	.26	.12	40	.88	0	21	.07	.60
10:10	.28	0	12:13	0		30	.29	.36	5:30	.89	.20	STORM OF AUG. 14		
15	.30	.24	17	.02	0.60	35	.32	.36	33	.91	.60	Aug. 14		
40	.30	0	20	.04	.60	40	.32	0	35	.92	.30	a. m.		
50	.31	.06	30	.10	1.20	45	.33	.12	40	.92	0	2:14	0	
11:02	.31	0	40	.10	0	50	.36	.36	10:00	.01	0.02	16	.08	2.40
105	.32	.20	50	.11	.06	55	.39	.36	10:30	.01	0	24	.28	1.50
112	.34	0	1:30	.11	0	11:00	.41	.24	11:00	.02	.02	p. m.		
115	.40	1.20	40	.12	.06	105	.43	.24	12:20	.02	0	1:32	0	
118	.42	.40	50	.12	0	110	.44	.12	23	.15	2.60	38	.16	1.60
120	.42	0	1:50	.12	0	115	.44	0	25	.28	3.90	40	.24	.22
25	.42	0	2:00	.14	.12	120	.46	.30	27	.35	2.10	50	.32	4.80
30	.43	.12	STORM OF JUNE 28			130	.52	.36	30	.42	1.40	10	.54	.60
12:00	.43	0	June 28			140	.57	.30	35	.43	.12	14	.83	4.35
p. m.			a. m.			150	.60	.18	40	.43	0	20	.83	0
12:20	.44	.03	7:42	0		50	.62	.12	45	.43	.01	30	.87	.24
3:27	0		44	.08	2.40	100	.71	.12	50	.52	1.08	400	.88	.01
30	.03	.60	45	.20	7.20	110	.71	0	55	.65	1.95	500	.88	0
35	.10	.84	46	.33	7.80	120	.72	.06	60	.66	.60	10	.88	0
40	.20	1.20	48	.56	6.90	130	.72	0	7:30	.66	0	12	.90	.60
42	.31	3.30	50	.63	2.10	140	.72	.06	35	.68	.24	24	.91	.05
44	.42	3.30	53	.69	1.20	150	.73	.12	38	.72	.80	53	.93	.04
45	.49	4.20	55	.76	2.10	200	.74	.06	40	.79	2.10	6:00	.95	.17
46	.60	6.60	58	.85	1.80	10	.75	.06	43	1.02	4.60			
48	.72	3.60	8:00	.85	0	20	.76	.06	45	1.25	6.90			
50	.77	1.50	102	.85	0	STORM OF JULY 23			47	1.37	3.60			
52	.88	3.30	105	.86	.20	July 23								
55	.98	2.00	108	.87	.20	a. m.								
57	1.01	.90	110	.93	1.80	9:30	0							
4:00	1.02	.20				10:00	.01	0.02						
1:04	1.04	.30				10:30	.01	0						

1 No intensity record.



TABLE 45.—Rainfall at station 100 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 18			STORM OF AUG. 27—Con.			STORM OF SEPT. 24-25—Con.			STORM OF NOV. 5—Con.			STORM OF NOV. 10-11—Con.		
Aug. 18			Aug. 27			Sept. 24			Nov. 5			Nov. 11		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
5:49	0		10:18	1.62	0.23	11:00	0.62	0.06	10:00	0.16	0.12	9:20	0.56	0
:54	.18	2.16	:24	1.74	1.20	:30	.66	.08	:20	.18	.06	:40	.57	.03
:56	.19	.30	:30	1.84	1.00	12:00	.70	.08	:30	.19	.06	:55	.57	0
:58	.24	1.50	:34	1.86	.30				11:26	.19	0	10:00	.58	.12
6:00	.24	0	:48	1.87	.04	Sept. 25			:30	.23	.60	:20	.59	.03
:07	.24	0	:52	1.91	.60	<i>a. m.</i>			:40	.25	.12	:30	.61	.12
:09	.28	1.20	11:00	1.92	.08	12:30	.74	.08	:50	.26	.06	:40	.62	.06
:13	.52	3.60	12:00	1.94	.02	1:00	.82	.16	:55	.29	.36	:50	.64	.12
:19	.59	.70				:29	.91	.19	12:00	.31	.24	11:00	.66	.12
:22	.66	1.40				:34	.95	.48				:20	.67	.03
:24	.72	1.80	<i>p. m.</i>	1.96	.02	:39	.99	.48	12:03	.32	.20	:30	.68	.06
:26	.73	.30	:50	1.98	.02	:49	1.03	.24	:10	.35	.26			
7:00	.74	.02				2:00	1.05	.11	:20	.35	0	12:30	.68	0
STORM OF AUG. 25-26			STORM OF SEPT. 8			STORM OF NOV. 1			STORM OF NOV. 6			STORM OF NOV. 26		
Aug. 25			Sept. 8			Nov. 1			Nov. 6			Nov. 26		
<i>a. m.</i>			<i>a. m.</i>			<i>a. m.</i>			<i>a. m.</i>			<i>p. m.</i>		
9:14	0		8:11	0		6:10	0		12:36	0		12:20	0	
:28	.01	0.04	:16	.12	1.44	7:00	.02	0.02	:41	.02	0.24	:40	.02	0.06
			:26	.15	.18	:30	.04	.04	:50	.03	.07	:50	.04	.12
1:00	.01	0	:38	.16	.05	8:00	.06	.04	1:00	.04	.06	1:00	.06	.12
:30	.03	.04	:50	.18	.10	:20	.08	.06	:20	.05	.03	:15	.08	.08
2:00	.03	0	9:00	.20	.12	:30	.12	.24	12:36	.02	.07	:30	.12	.16
3:10	.04	.02	:10	.22	.12	:40	.14	.24	1:00	.04	.06	:45	.20	.32
:20	.08	.24	:20	.28	.36	:50	.20	.72	:20	.05	.03	2:00	.26	.24
4:00	.10	.03	:30	.32	.24	:45	.26	.72	6:30	.05	0	:10	.32	.36
:10	.11	.06	:40	.36	.24	:50	.27	.12	:40	.06	.06	:30	.35	.18
:20	.12	.06	:50	.38	.12	9:00	.29	.12	7:25	.06	0	:40	.37	.12
5:00	.16	.06				:12	.30	.05	:40	.06	.06	:50	.42	.30
:02	.23	2.10	Sept. 9			:16	.32	.30	7:40	.06	.08	:50	.45	.18
:06	.24	.15	<i>p. m.</i>	0		:26	.34	.12	:40	.08	.08	3:00	.48	.18
:13	.25	.09	11:38	.04	0.11	:38	.37	.15				:20	.52	.12
6:00	.26	.01	12:00	.04		:50	.39	.10	STORM OF NOV. 10-11			:40	.55	.09
:04	.27	.15				10:00	.40	.06	Nov. 10			4:00	.56	.03
:07	.28	.20	Sept. 10			:10	.43	.18	<i>a. m.</i>			:20	.59	.09
:12	.30	.24	<i>a. m.</i>			:20	.46	.18	4:35	0	0.03	:30	.60	.06
:16	.38	1.20	12:10	.08	.24	:30	.48	.15	5:15	.02	.03	5:00	.61	.02
:20	.45	1.05	:20	.10	.12	:40	.51	.21	:20	.03	.04	6:00	.62	.01
:30	.51	.36	:30	.13	.18	:50	.58	.15	:40	.03		:20	.63	.03
STORM OF AUG. 26			:40	.16	.18	11:00	.60	.24				:40	.66	.09
Aug. 26			:50	.18	.06	:05	.64	.48				7:00	.68	.06
<i>a. m.</i>			:20	.20	.12	:15	.67	.36				:20	.70	.06
1:00	.53	.04	:35	.27	.28	:20	.69	.24	<i>p. m.</i>			:30	.72	.12
:20	.54	.01	:50	.31	.16	:30	.71	.12	11:55	.03	0	:42	.74	.01
4:00	.54	0	2:00	.32	.06	:35	.73	.24	12:00	.04	.12	:44	.84	3.00
5:00	.56	.02	:10	.33	.06	:40	.75	.24				:48	.86	.30
6:00	.58	.02	:20	.34	.06	12:00	.77	.06	Nov. 11			9:00	.87	.05
STORM OF AUG. 27			:30	.35	.06				<i>a. m.</i>			:50	.90	.04
Aug. 27			3:00	.36	.02				12:10	.05	.06	10:00	.92	.12
<i>a. m.</i>			:40	.38	.03				:20	.09	.24	STORM OF DEC. 12		
12:36	0		STORM OF SEPT. 24-25						:30	.12	.18	Dec. 12		
:42	.04	0.40	Sept. 24						1:10	.12	0	<i>a. m.</i>		
:44	.08	1.20	<i>a. m.</i>						:20	.13	.06	6:00	0	
:45	.12	2.40	7:40	0					2:15	.13	0	:23	.03	0.03
:50	.20	.96	:48	.02	0.15				:30	.15	.08	7:00	.04	.03
:52	.24	1.20	:50	.03	.30				3:00	.17	.04	:20	.05	.02
1:00	.26	.15	8:00	.04	.06				:10	.19	.12	8:00	.06	.01
:10	.27	.06	:02	.04	0				:24	.27	.60	9:00	.08	.02
:14	.30	.45	:10	.08	.13				:30	.30	.30	10:00	.09	.01
:15	.33	1.80	:20	.09	.05				:40	.33	.18	11:00	.10	.01
:17	.34	.30	:30	.10	.02				:45	.35	.24	12:00		
:20	.40	1.20	:40	.11	.02				4:00	.36	.04			
:31	.42	.11	:50	.12	.02				:30	.36	0	<i>p. m.</i>		
:35	.52	1.50	11:02	.13	.05				:57	.38	.12	12:20	.11	.03
:40	.53	.12	:33	.14	.02				:40	.38	0	:40	.15	.12
:40	.53	.12	12:00	.15	.02				:57	.38	0	:20	.16	.03
8:31	.53	0							5:00	.40	.40	1:00	.19	.09
:34	.60	1.40							:05	.40	0	:20	.21	.03
:38	.63	.45							:10	.41	.12	:10	.22	.06
9:00	.63	0							:30	.42	.03	:20	.26	.24
:10	.66	.18							6:30	.42	0	3:00	.28	.03
:20	.67	.06							:45	.43	.04	4:00	.30	.02
:22	.71	1.20							:57	.43	0	5:00	.32	.02
:26	.74	.45							7:00	.44	.20	:10	.34	.12
:30	.75	.15							:10	.46	.12	:20	.36	.12
:36	.91	1.60							:37	.46	0	:30	.40	.24
:48	.93	.10							:50	.48	.09	:40	.46	.18
:50	.94	.30							8:21	.48	0	:50	.48	.12
:53	.97	.60							:30	.53	.34	6:00	.49	.03
:56	1.09	2.40							:40	.54	.09	:20	.49	.03
:58	1.19	3.00							:50	.55	.20	:39	.50	.03
10:00	1.29	3.00							:50	.56	.06	7:00	.51	.03
:04	1.43	2.10												
:10	1.59	1.60												



TABLE 45.—Rainfall at station 100 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF DEC. 16			STORM OF DEC. 16—Con.			STORM OF DEC. 16—Con.			STORM OF DEC. 27-28—Con.			STORM OF DEC. 27-28—Con.		
Dec. 16			Dec. 16			Dec. 16			Dec. 27			Dec. 27		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:22-----	0		3:00-----	0.32	0.06	12:20-----	0.50	0.60	4:20-----	0.10	0.12	8:00-----	0.34	0
:36-----	.02	0.09	:10-----	.35	.18	:24-----	.52	.30	:10-----	.08	.12	9:00-----	.35	.01
:40-----	.03	.15	:30-----	.37	.06	:30-----	.54	.20	:30-----	.12	.12	10:00-----	.36	.01
:50-----	.04	.06	4:00-----	.39	.04	STORM OF DEC. 27-28			:35-----	.14	.24	11:00-----	.37	.01
1:00-----	.06	.12	:05-----	.40	.12				:40-----	.18	.48	12:00-----	.38	.01
:06-----	.08	.20	:30-----	.41	.02				:50-----	.22	.24	Dec. 28		
:30-----	.15	.18	5:00-----	.42	.02				5:00-----	.24	.12	<i>a. m.</i>		
:50-----	.18	.09	:35-----	.44	.03				:10-----	.28	.24	1:00-----	.39	.01
2:00-----	.21	.18	<i>p. m.</i>						:20-----	.29	.06	2:00-----	.39	0
:10-----	.24	.18	12:03-----	.44	0				:30-----	.31	.12	3:00-----	.40	.01
:30-----	.26	.06	:10-----	.46	.17	<i>p. m.</i>			6:00-----	.32	.02	4:00-----	.41	.01
:40-----	.28	.12	:18-----	.48	.15	3:48-----	0		:30-----	.33	.02			
:50-----	.31	.18				4:00-----	0.06	0.30	7:00-----	.34	.02			



TABLE 46.—Rainfall at station Y-101 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 26-27—Con.			STORM OF AUG. 14—Con.			STORM OF AUG. 27—Con.			STORM OF AUG. 29-30—Con.			STORM OF AUG. 29-30—Con.		
July 26			Aug. 14			Aug. 27			Aug. 29			Aug. 30		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
8:22-----	0.37	0	2:26-----	0.18	0.60	5:30-----	0.10	0.06	5:06-----	0.15	0	6:10-----	0.51	0.15
:25-----	.39	.40	:28-----	.19	.30	6:00-----	.10	0	:09-----	.16	.20	:20-----	.52	.06
11:11-----	.39	0	<i>p. m.</i>			:20-----	.13	.09	:15-----	.16	0	:32-----	.53	.05
:15-----	.40	.15	1:32-----	0		:36-----	.17	.15	:20-----	.18	.24	:40-----	.55	.15
12:00-----	.40	0	:35-----	.03	.60	:40-----	.21	.60	:26-----	.19	.10	:55-----	.60	.20
July 27			:38-----	.13	2.00	7:00-----	.25	.12	:40-----	.23	.17	7:00-----	.63	.36
<i>a. m.</i>			:40-----	.14	.30	:20-----	.31	.18	:50-----	.25	.12	:15-----	.67	.16
12:10-----	.41	.06	2:00-----	.21	.21	:30-----	.34	.18	6:00-----	.27	.12	:20-----	.69	.24
:53-----	.41	0	:01-----	.27	3.60	:40-----	.35	.06	:20-----	.29	.06	:35-----	.72	.12
:55-----	.44	.90	:06-----	.44	2.04	8:20-----	.35	0	:35-----	.30	.04	:40-----	.73	.12
STORM OF JULY 28			:09-----	.49	1.00	:25-----	.41	.72	:40-----	.32	.24	:47-----	.75	.17
July 28			:10-----	.50	.60	:30-----	.48	.84	:42-----	.35	.90	8:00-----	.76	.05
<i>p. m.</i>			:15-----	.82	3.84	:32-----	.56	2.40	7:00-----	.35	0	:20-----	.78	.06
6:10-----	0	1.00	:25-----	.83	.06	:35-----	.62	1.20	:20-----	.36	.03	:35-----	.80	.08
:13-----	.05		:30-----	.90	.84	:37-----	.70	2.40	:30-----	.37	.06	:40-----	.80	0
:15-----	.08	.90	5:10-----	.90	0	:40-----	.71	.20	:39-----	.37	0	:55-----	.81	.04
STORM OF AUG. 14			:12-----	.92	.60	:50-----	.72	.06	:48-----	.37	0	9:00-----	.81	0
Aug. 14			:23-----	.93	.06	9:00-----	.74	.12	:58-----	.38	.06	:20-----	.82	.03
<i>a. m.</i>			:30-----	.94	.09	:10-----	.76	.12	8:00-----	.39	.30	:30-----	.82	0
2:16-----	0	1.20	:53-----	.94	0	:20-----	.77	.06	10:00-----	.39	0	:40-----	.84	.12
:18-----	.04	.60	6:00-----	.96	.17	STORM OF AUG. 29-30			11:00-----	.41	.02	:51-----	.86	.11
:20-----	.06	.60	STORM OF AUG. 27			Aug. 29			12:00-----	.41	0	10:00-----	.87	.07
:21-----	.08	1.20	Aug. 27			<i>p. m.</i>			Aug. 30			:05-----	.87	0
:22-----	.12	2.40	<i>p. m.</i>			3:24-----	0		1:00-----	.42	.60	:14-----	.89	.13
:24-----	.16	1.20	2:30-----	0		:29-----	.03	0.36	:45-----	.43	.01	:20-----	.91	.20
STORM OF AUG. 14			:34-----	.01	0.15	:32-----	.06	.60	2:00-----	.45	.08	:40-----	.96	.15
Aug. 14			:40-----	.02	.10	:36-----	.09	.45	:15-----	.45	0	:45-----	.98	.24
<i>a. m.</i>			3:00-----	.02	0	:39-----	.09	0	3:00-----	.46	.01	11:00-----	1.00	.08
2:16-----	0	1.20	4:00-----	.03	.01	:49-----	.10	.06	:30-----	.47	.02	:20-----	1.01	.03
:18-----	.04	.60	5:00-----	.04	.01	4:18-----	.10	0	:40-----	.48	.02	:40-----	1.02	.03
:20-----	.06	.60	:10-----	.06	.12	:28-----	.11	.06	4:00-----	.48	0	12:00-----	1.04	.06
:21-----	.08	1.20	:20-----	.09	.18	:30-----	.13	.60	:30-----	.48	0	<i>p. m.</i>		
:22-----	.12	2.40	STORM OF AUG. 29-30			:39-----	.15	.13	6:06-----	.50	.02	12:30-----	1.04	0
:24-----	.16	1.20	Aug. 29			STORM OF FEB. 9-11—Con.			Aug. 30			:47-----	1.04	0
STORM OF AUG. 14			<i>p. m.</i>			Feb. 10			<i>a. m.</i>			1:00-----	1.05	.05
Aug. 14			3:24-----	0		Feb. 10			1:00-----	.42	.60	:25-----	1.06	.02
<i>a. m.</i>			:29-----	.03	0.36	Feb. 10			:40-----	.49	0	2:00-----	1.08	.03
2:16-----	0	1.20	:32-----	.06	.60	Feb. 10			6:06-----	.50	.02			
:18-----	.04	.60	:36-----	.09	.45	Feb. 10								
:20-----	.06	.60	:39-----	.09	0	Feb. 10								
:21-----	.08	1.20	:49-----	.10	.06	Feb. 10								
:22-----	.12	2.40	4:18-----	.10	0	Feb. 10								
:24-----	.16	1.20	:28-----	.11	.06	Feb. 10								
STORM OF AUG. 14			:30-----	.13	.60	Feb. 10								
Aug. 14			:39-----	.15	.13	Feb. 10								
<i>a. m.</i>						Feb. 10								
2:16-----	0	1.20				Feb. 10								
:18-----	.04	.60				Feb. 10								
:20-----	.06	.60				Feb. 10								
:21-----	.08	1.20				Feb. 10								
:22-----	.12	2.40				Feb. 10								
:24-----	.16	1.20				Feb. 10								

TABLE 47.—Rainfall at station Y-102 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 6—Con.			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 9-11—Con.		
Jan. 14			Feb. 6			Feb. 6			Feb. 10			Feb. 10		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:15-----	0		6:30-----	0.01	0.02	1:45-----	0.44	0.12	1:00-----	0.21	0.01	8:30-----	0.80	0.06
:20-----	.03	0.36	7:00-----	.03	.04	3:50-----	.44	0	2:00-----	.22	.01	11:40-----	.80	0
:30-----	.07	.24	:20-----	.05	.06	:55-----	.46	.24	3:36-----	.22	0	:50-----	.83	.18
:40-----	.11	.24	:40-----	.07	.06	STORM OF FEB. 9-11			:40-----	.24	.30	12:00-----	.85	.12
:50-----	.12	.06	8:00-----	.08	.03				:44-----	.28	.60	Feb. 11		
7:00-----	.14	.12	:20-----	.09	.03				:45-----	.28	0	<i>a. m.</i>		
:10-----	.18	.24	:30-----	.10	.06				:50-----	.28	0	12:05-----	.87	.24
:20-----	.20	.12	:40-----	.11	.06				:55-----	.31	.36	:10-----	.88	.12
:30-----	.24	.24	:50-----	.13	.12				4:00-----	.35	.48	:15-----	.92	.48
:40-----	.31	.42	:55-----	.15	.24				:05-----	.37	.24	:20-----	.94	.24
:50-----	.36	.30	9:05-----	.15	0				:10-----	.38	.12	:25-----	.96	.24
8:00-----	.40	.24	:10-----	.16	.12				:15-----	.39	.12	:30-----	.98	.24
:10-----	.43	.18	:15-----	.16	0				:20-----	.40	.12	:35-----	.99	.12
:20-----	.45	.12	:20-----	.17	.12				:25-----	.43	.36	STORM OF FEB. 18		
:30-----	.48	.18	:25-----	.18	.12				:30-----	.46	.36	Feb. 18		
:40-----	.51	.18	:30-----	.19	.12				:46-----	.46	0	<i>a. m.</i>		
:50-----	.51	0	:35-----	.20	.12				:50-----	.47	.15	6:00-----	0	
9:00-----	.52	.06	:40-----	.21	.12				:55-----	.48	.12	:30-----	.01	0.02
:20-----	.54	.06	:45-----	.22	.12				5:00-----	.49	.12	7:00-----	.02	.02
:40-----	.55	.03	:50-----	.24	.24				:10-----	.53	.24	:30-----	.04	.04
10:00-----	.60	.15	10:00-----	.26	.12				:20-----	.55	.12	8:00-----	.05	.02
:20-----	.64	.12	:10-----	.30	.24				:27-----	.55	0	:30-----	.06	.02
:40-----	.66	.06	:15-----	.32	.24				:30-----	.56	.20	9:00-----	.08	.04
11:00-----	.67	.03	:17-----	.33	.30				:35-----	.58	.24	:30-----	.10	.04
STORM OF FEB. 6			:20-----	.34	.20				:40-----	.59	.12	11:00-----	.10	0
Feb. 6			:30-----	.34	0				:46-----	.60	.06	:30-----	.12	.04
<i>a. m.</i>			11:00-----	.35	.02				:50-----	.63	.18	12:00-----	.13	.02
2:13-----	.67	0	12:00-----	.35	0				:10-----	.65	.12	<i>p. m.</i>		
:15-----	.69	2.60	<i>p. m.</i>						:20-----	.67	.12	12:30-----	.15	.04
:20-----	.70	.12	12:30-----	.35	0				:30-----	.71	.24	1:00-----	.17	.04
:25-----	.71	.12	:40-----	.35	0				:40-----	.71	0	:20-----	.19	.06
STORM OF FEB. 6			:45-----	.37	.24				:45-----	.72	.12	2:20-----	.19	0
Feb. 6			:55-----	.37	0				:46-----	.73	.60	:40-----	.21	.06
<i>a. m.</i>			1:00-----	.38	.12				:50-----	.73	0			
6:00-----	0		:10-----	.40	.12				7:20-----	.73	0			
STORM OF FEB. 6			:24-----	.40	0				:40-----	.75	.06			
Feb. 6			:25-----	.42	1.20				:50-----	.77	.06			
<i>a. m.</i>			:30-----	.42	0				:10-----	.78	.06			
6:00-----	0		:40-----	.43	.06				:20-----	.79	.06			
STORM OF FEB. 6														
Feb. 6														
<i>a. m.</i>														
6:00-----	0													



TABLE 47.—Rainfall at station Y-102 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF FEB. 18—Con.			STORM OF MAR. 2-4—Con.			STORM OF MAR. 30-31—Con.			STORM OF APR. 11—Con.			STORM OF APR. 19-20		
Feb. 18			Mar. 3			Mar 31			Apr. 11			APR. 20		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
3:00	5.22	0.03	5:22	1.28	1.80	2:00	0.54	0.16	8:44	0.96	0.15	6:20	1.47	0.39
:20	.24	.06	:23	1.30	1.20	:15	.56	.08	:45	.97	.12	:30	1.54	.42
:40	.27	.09	:25	1.32	.60	:30	.57	.04	:50	.99	.24	:32	1.56	.60
4:00	.28	.03	:30	1.32	0	:45	.59	.08	9:00	1.03	.24	:35	1.57	.20
:20	.29	.03	:45	1.33	.04	3:00	.61	.08	:10	1.05	.12	:40	1.60	.35
:40	.31	.06	6:00	1.34	.04	:15	.65	.16	:20	1.07	.12	:42	1.61	.35
5:00	.32	.03	:15	1.35	.04	:30	.67	.08	:30	1.10	.18	:46	1.62	.35
6:00	.32	0	:30	1.38	.12	:45	.69	.08	:40	1.12	.12	:50	1.64	.35
7:00	.33	.01	:45	1.40	.08	4:00	.71	.08	:44	1.12	0	:52	1.64	.30
9:00	.33	0	7:00	1.41	.04	:15	.72	.04	:46	1.14	.60	:56	1.65	.30
10:00	.35	.02	:15	1.43	.08	STORM OF APR. 11			:50	1.15	.15	:58	1.66	.15
STORM OF MAR. 2-4						Apr. 11			:58	1.17	.15	10:00	1.67	0
Mar. 2						<i>p. m.</i>			:10	1.19	.12	:10	1.70	.06
<i>a. m.</i>						12:32			:20	1.20	.06	:20	1.71	.09
7:50	0	0.06				:40			:30	1.21	.06	:29	1.72	.30
8:00	.01	0.06				:50			11:00	1.24	.06	:30	1.74	.60
:10	.02	.06				:50			:10	1.26	.04	:34	1.75	.15
:20	.03	.06				1:00			:20			:40	1.76	.10
:30	.04	.06				:10			:30			:46	1.77	.10
:45	.07	.12				:20			:40			:50	1.77	0
9:00	.09	.08				:30			:48			9:50	1.77	0
:15	.12	.12				:40			:50			11:00	1.79	.01
:30	.13	.04				:50			12:00			:50	1.79	0
:45	.15	.08				2:00						11:00	1.79	0
10:00	.16	.04				:10						12:00	1.81	.02
:15	.19	.12				:20						STORM OF MAY 6		
:30	.20	.04				:30						May 6		
:45	.21	.04				:40						<i>p. m.</i>		
11:00	.22	.04				:48						6:33		
:30	.23	.02				:50						:35		
12:00	.24	.02				3:00						:37		
						:08						:40		
						:10						:44		
						:18						:45		
						:20						:47		
						:29						:50		
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TABLE 47.—Rainfall at station Y-102 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 23-24			STORM OF JUNE 7-8			STORM OF JUNE 10-11—Con.			STORM OF JUNE 18			STORM OF JUNE 26		
May 23			June 7			June 10			June 18			June 26		
p.m.	Inches	Inches per hour	a.m.	Inches	Inches per hour	p.m.	Inches	Inches per hour	a.m.	Inches	Inches per hour	p.m.	Inches	Inches per hour
2:10	0	0.06	11:40	0	0.18	1:42	0.74	0.30	7:46	0	0.60	12:16	0	3.00
:20	0.01	0.06	:50	.03	.12	:45	.74	0	:50	.04	.48	:17	.05	.30
:30	.02	.06	12:00	.05	.12	2:15	.74	0	:55	.08	.12	:18	.11	3.60
3:00	.04	.04				:20	.75	.12	8:00	.09	0	:19	.11	0
:30	.05	.02	p.m.			:25	.76	.12	:05	.09	0	:23	.11	0
4:00	.06	.02	12:05	.05	0	:30	.77	.12	:10	.11	.24	:24	.12	.60
:30	.08	.02	:10	.06	.12	3:02	.77	0	:15	.13	.24	:31	.12	0
5:00	.09	.02	:50	.06	0	:05	.78	.20	:20	.15	.24	:32	.13	.60
6:00	.10	.01	1:00	.07	.06	:10	.80	.24	:25	.16	.12	:34	.13	0
9:00	.10	0				:13	.81	.20	:28	.17	.20	:44	.14	.06
10:00	.11	.01	June 8			:15	.84	.90	:30	.17	0			
:30	.11	0	a.m.			:20	.86	.24	:50	.17	0			
11:00	.12	.02	6:48	.07	0	3:30	.87	.06	:55	.19	.24			
:30	.12	0	:50	.10	.90	7:05	.87	0	:19	.19	0			
12:00	.13	.02	:58	.10	0	:10	.89	.24	:10	.21	.12			
May 24			:50	.12	.60	June 11			:20	.23	.12			
a.m.			:40	.12	0	a.m.			:30	.25	.12			
12:30	.14	.02	:50	.13	.06	3:44	.89	0	:31	.25	0			
1:00	.16	.04				:45	.92	1.80	:33	.26	.30			
:15	.19	.12	p.m.			:46	.93	.60	:35	.27	.30			
:30	.21	.08	2:47	0	.60	:50	.93	0	10:10	.27	0			
:45	.25	.16	:48	.01	.60	:50	.93	0	:15	.29	.24			
2:00	.27	.08	:50	.10	2.70	4:05	.93	0	:20	.30	.12			
:15	.29	.08	:52	.13	.90	:10	.94	.12	11:02	.30	0			
:30	.32	.12	:55	.13	0	6:30	.94	0	:05	.32	.40			
:45	.34	.08	3:00	.13	0	7:00	.95	.02	:08	.33	.20			
3:00	.36	.08	:20	.14	.03	:30	.96	.02	:10	.34	.30			
:15	.39	.12	4:00	.14	0	9:00	.96	0	:13	.34	0			
:30	.41	.08	:03	.16	.40	10:00	.97	.01	:15	.38	1.20			
:45	.45	.16	:05	.18	.60	p.m.			:17	.41	.90			
4:00	.48	.12	:16	.18	0	12:17	.97	0	:20	.42	.20			
:30	.50	.04	:20	.22	.60	:20	1.00	.60	:25	.42	0			
5:00	.52	.04	:23	.25	.60	:22	1.03	.90	:30	.43	.12			

<sup>1</sup> No intensity record.



TABLE 47.—Rainfall at station Y-102 for selected storms, 1940—Continued

[illegible]



TABLE 48.—Rainfall at station 102 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 9-11—Con.			STORM OF FEB. 18—Con.			STORM OF MAR. 2-4—Con.			STORM OF MAR. 30—Con.		
Jan. 14			Feb. 10			Feb. 18			Mar. 3			Mar. 30		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:10-----	0		7:00-----	0.17	0	1:10-----	0.26	0.06	9:30-----	1.02	0	1:45-----	0.52	0.16
:20-----	.01	0.06	:30-----	.18	.02	:20-----	.28	.12	10:00-----	1.03	.02	2:00-----	.54	.08
:30-----	.05	.24	11:00-----	.18	0	:30-----	.31	.18	:30-----	1.04	.02	:15-----	.56	.08
:40-----	.08	.18	12:00-----	.19	.01	:35-----	.32	.12				:30-----	.58	.08
:50-----	.09	.06				:40-----	.34	.24	<i>p. m.</i>			:45-----	.61	.12
7:00-----	.11	.12				:50-----	.38	.24	3:00-----	1.04	0	3:00-----	.65	.16
:10-----	.15	.24	<i>p. m.</i>			3:00-----	.39	.06	:30-----	1.05	.20	:15-----	.68	.12
:20-----	.18	.18	1:00-----	.20	.01	:05-----	.41	.24	4:55-----	1.05	0	:30-----	.71	.12
:30-----	.21	.18	3:40-----	.21	.12	:10-----	.42	.12	:59-----	1.07	.30	:45-----	.74	.12
:40-----	.29	.48	:45-----	.24	.60	:20-----	.43	.06	5:00-----	1.11	2.40	4:00-----	.76	.08
:50-----	.34	.30	:50-----	.24	0	:30-----	.45	.12	:03-----	1.16	1.00	:15-----	.77	.04
8:00-----	.38	.24	:55-----	.24	0	:40-----	.48	.18	:05-----	1.17	.30	:30-----	.78	.04
:05-----	.41	.36	4:00-----	.26	.24	:45-----	.50	.24	:10-----	1.19	.24			
:10-----	.42	.12	:05-----	.29	.36	:50-----	.51	.12	:15-----	1.20	.12			
:15-----	.43	.12	:10-----	.31	.24	4:00-----	.52	.06	:30-----	1.20	0			
:20-----	.45	.24	:15-----	.32	.12	:10-----	.53	.06	:45-----	1.21	.04	STORM OF APR. 3		
:25-----	.47	.24	:20-----	.32	0	:20-----	.54	.06	6:00-----	1.22	.04	Apr. 3		
:30-----	.48	.12	:25-----	.34	.24	:40-----	.57	.09	:15-----	1.25	.12	<i>p. m.</i>		
:35-----	.50	.24	:30-----	.37	.36	5:00-----	.59	.06	:30-----	1.27	.08	12:17-----	0	0
:40-----	.51	.12	:35-----	.38	.12	:20-----	.61	.06	:45-----	1.29	.08	:20-----	.01	.20
:50-----	.52	.06	:40-----	.39	.12	:39-----	.61	0	7:00-----	1.32	.12	:22-----	.02	.30
9:00-----	.53	.06	:50-----	.40	.06	:40-----	.63	1.20	:15-----	1.33	.04	:25-----	.02	0
:20-----	.55	.06	5:00-----	.41	.06	6:20-----	.63	0	:30-----	1.35	.08	2:10-----	.02	0
:40-----	.58	.09	:10-----	.44	.18	:30-----	.64	.06	9:15-----	1.35	0	:14-----	.05	.45
10:00-----	.64	.18	:20-----	.47	.18	:39-----	.64	0	:30-----	1.42	.28	:15-----	.09	2.40
:10-----	.66	.12	:30-----	.48	.06	:40-----	.67	1.80	:45-----	1.44	.08	:16-----	.16	4.20
:20-----	.68	.12	:35-----	.49	.12	9:30-----	.67	0	10:00-----	1.47	.12	:18-----	.17	.30
:30-----	.70	.12	:40-----	.50	.12	10:00-----	.68	.02	:15-----	1.48	.04	:20-----	.17	0
:40-----	.71	.06	:45-----	.51	.12	:30-----	.69	.02	:30-----	1.49	.04	6:04-----	.17	0
:50-----	.72	.06	:50-----	.51	0		.76	-----	11:12-----	1.49	0	:05-----	.20	1.80
11:00-----	.74	.12	:55-----	.52	.12	STORM OF MAR. 2-4			:15-----	1.51	.40	:07-----	.21	.30
:30-----	.75	.02	:58-----	.53	.20	Mar. 2			12:00-----	1.51	0	:10-----	.21	0
			6:00-----	.54	.30	<i>a. m.</i>						STORM OF APR. 7-8		
			:05-----	.55	.12	8:00-----	0	-----	Mar. 4			Apr. 7		
			:10-----	.57	.24	:15-----	.01	0.04	<i>a. m.</i>			4:00-----	0	-----
			:13-----	.58	.20	:30-----	.02	.04	12:30-----	1.52	.02	:20-----	.01	0.03
			:15-----	.58	0	:45-----	.04	.08	1:00-----	1.55	.06	:40-----	.02	.03
			:20-----	.58	0	9:00-----	.07	.12				:45-----	.04	.24
			:25-----	.60	.24	:15-----	.09	.08	STORM OF MAR. 18			5:00-----	.04	0
			:30-----	.60	0	:30-----	.11	.08	Mar. 18			:10-----	.05	.06
			:40-----	.61	.06	:45-----	.13	.08	<i>p. m.</i>			:25-----	.05	0
			:50-----	.63	.12	10:00-----	.13	0	5:40-----	0	-----	:30-----	.06	.12
			7:10-----	.63	0	:15-----	.16	.12	:44-----	.01	0.15	:35-----	.07	.12
			:20-----	.64	.06	:30-----	.17	.04	:45-----	.02	.60	:40-----	.09	.24
			:40-----	.65	.03	:45-----	.13	.08	:50-----	.05	.36	:45-----	.12	.36
			8:00-----	.65	0	10:00-----	.13	0	:55-----	.06	.12	:50-----	.14	.24
			:10-----	.66	.06	:15-----	.16	.12	6:00-----	.08	.24	:55-----	.15	.12
			:20-----	.67	.06	:30-----	.17	.04	:05-----	.11	.36	:57-----	.16	.30
			:30-----	.67	0	:45-----	.19	.04	:10-----	.15	.48	:30-----	.17	.20
			:34-----	.68	.15	11:00-----	.20	.02	:15-----	.17	.24	:35-----	.17	0
			:35-----	.70	1.20	:30-----	.20	.02	:30-----	.20	.12	:40-----	.18	.12
			9:30-----	.70	0	12:00-----	.21	.02	:45-----	.22	.08	:45-----	.19	.12
			10:00-----	.71	.02	<i>p. m.</i>			7:00-----	.23	.04	7:13-----	.19	0
			11:40-----	.71	0	1:00-----	.22	.01				:15-----	.20	.30
			:45-----	.72	.12	4:40-----	.22	0	STORM OF MAR. 30			:20-----	.21	.12
			:50-----	.73	.12	:50-----	.23	.06	Mar. 30			10:37-----	.21	0
			12:00-----	.77	.24	5:00-----	.26	.18	<i>a. m.</i>			:40-----	.22	.20
						:05-----	.29	.36	5:00-----	0	-----	:45-----	.23	.12
			Feb. 11			:10-----	.30	.12	:15-----	.11	.36	:50-----	.23	0
			<i>a. m.</i>			:20-----	.32	.12	:30-----	.15	.48	11:00-----	.24	.06
			12:10-----	.79	.12	:30-----	.34	.12	6:00-----	.17	.24	:10-----	.26	.12
			:20-----	.84	.30	8:45-----	.34	0	:45-----	.11	.12			
			:30-----	.88	.24	:50-----	.35	.12	:10-----	.13	.08	Apr. 8		
			:40-----	.91	.18	:55-----	.37	.24	:15-----	.15	.08	3:41-----	.26	0
			:50-----	.92	.06	9:00-----	.38	.12	:30-----	.17	.08	:45-----	.27	.15
						:05-----	.39	.12	:45-----	.18	.04	:50-----	.28	.12
						:10-----	.42	.60	8:00-----	.19	.04	:56-----	.28	0
						:15-----	.44	.12	:30-----	.21	.04	4:00-----	.31	.45
						:30-----	.45	.04	:45-----	.22	.02	:04-----	.32	.15
						:45-----	.47	.03	:30-----	.23	.04	:05-----	.33	.60
						10:00-----	.48	.04	:15-----	.23	.04	:10-----	.34	.12
						:30-----	.48	0	:30-----	.24	.04	:12-----	.35	.30
						:45-----	.51	.12	7:00-----	.24	0	:22-----	.35	0
						11:00-----	.55	.16	:15-----	.25	.06	:25-----	.37	.40
						:15-----	.58	.12	:30-----	.25	0	6:00-----	.37	0
						:30-----	.65	.28	:45-----	.26	.12	:30-----	.38	.02
						:45-----	.70	.20	6:00-----	.26		:52-----	.38	0
						12:00-----	.73	.12	12:00-----			:55-----	.43	1.00
									<i>p. m.</i>			7:00-----	.44	.12
									12:15-----	.29	.12	:09-----	.44	0
									:30-----	.32	.12	:10-----	.45	.60
									:45-----	.35	.12	:20-----	.45	0
									1:00-----	.39	.16	:30-----	.46	.06
									:15-----	.43	.16	:40-----	.47	.06
									:30-----	.48	.20	:50-----	.48	.06
			</											



TABLE 48.—Rainfall at station 102 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 11-12			STORM OF APR. 19-20			STORM OF APR. 19-20—Con.			STORM OF MAY 15			STORM OF MAY 23-24—Continued			STORM OF MAY 29-30		
Apr. 11			Apr. 19			Apr. 19			May 15			May 24			May 29		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:25	0	0.01	9:40	0	0.01	11:28	1.74	0.60	11:10	0	0.18	9:05	1.23	0.48	5:15	0	0.24
1:00	.01	0.02	10:30	.01	0.02	11:30	1.75	.30	11:20	.03	0.06	10:00	1.27	.48	6:28	.02	0
:30	.02	0.06	11:00	.02	0.04	:40	1.80	.30	:30	.04	.06	:30	1.31	.12	:20	.02	.60
:40	.03	0.06	:30	.04	0.04	:50	1.81	.06	:45	.06	.08	:50	1.35	.12	:35	.21	2.04
2:00	.05	0.06	:44	.05	0.04	12:00	1.82	.06	12:00	.11	.20	:55	1.37	.24	:37	.29	2.40
:20	.07	0.06	12:00	.08	.11							10:00	1.38	.12	:40	.30	.20
:30	.08	0.06										:04	1.40	.30	:50	.32	.12
:35	.09	.12										:05	1.41	.60	11:00	1.46	0
:43	.11	.15										:06	1.42	.60	:10	1.47	.06
:50	.13	.17										:10	1.43	.15	:15	1.48	.20
3:00	.17	.24										:20	1.44	.06	:20	1.52	1.20
:08	.19	.15										:30	1.44	0	:30	1.56	.24
:18	.23	.14										:40	1.60	.24	:40	1.64	.24
:22	.25	.30										:50	1.64	.24	12:00	1.67	.18
:30	.28	.22															
:32	.30	.60															
:40	.32	.15															
4:00	.35	.09															
:08	.36	.07															
:12	.37	.15															
:24	.38	.05															
:30	.38	0															
:38	.39	.07															
:46	.40	.07															
:49	.41	.20															
5:00	.41	0															
:06	.42	.10															
:08	.43	.30															
:25	.45	.07															
:30	.45	0															
:42	.46	.05															
:47	.47	.12															
6:00	.47	0															
:08	.48	.07															
:17	.49	.07															
:30	.50	.05															
:40	.53	.18															
:48	.55	.15															
:50	.56	.30															
:53	.57	.20															
:59	.59	.20															
7:00	.60	.60															
:06	.61	.10															
:10	.62	.06															
:14	.65	.45															
:17	.67	.40															
:20	.68	.20															
:21	.69	.60															
:25	.70	.15															
:26	.71	.60															
:30	.72	.15															
:40	.75	.18															
:47	.76	.09															
:50	.77	.20															
:57	.78	.09															
8:00	.80	.40															
:06	.81	.10															
:08	.82	.30															
:10	.83	.30															
:16	.85	.20															
:20	.85	0															
:22	.86	.30															
:30	.88	.15															
:32	.89	.30															
:38	.89	0															
:40	.90	.30															
:50	.94	.24															
:55	.96	.24															
9:00	.97	.12															
:04	.99	.30															
:10	1.00	.06															
:20	1.03	.18															
:27	1.05	.17															
:28	1.06	.60															
:30	1.06	0															
:32	1.07	.30															
:40	1.09	.15															
:50	1.13	.24															
:54	1.15	.30															
10:00	1.17	.20															
:06	1.19	.20															
:08	1.20	.30															
:09	1.21	.60															
:10	1.21	0															
:20	1.22	.06															
:30	1.23	.06															
:38	1.24	.07															
11:00	1.26	.05															
:30	1.28	.04															
:47	1.29	.03															
:49	1.30	.30															
12:00	1.31	.05															
Apr. 12																	
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:22	1.32	.02	26	1.72	.36	6:30	0	0.60	12:30	.17	.02	1:10	.49	0	1:10	.49	0
						:31	.01	0.60	:45	.18	.04	:15	.56	.84	:20	.61	.60
						:33	.16	4.50	:50	.20	.08	:30	.64	.36	:25	.64	.36
						:34	.25	5.40	:55	.21	.04	:35	.67	.36	:30	.67	.36
						:35	.31	3.60	:58	.22	.08	:40	.68	.12	:45	.68	.12
						:37	.39	2.40	:59	.26	.08	:50	.68	.06	:55	.73	.12
						:40	.45	1.20	:00	.30	.16	10:00	.74	0	2:30	.74	0
						:41	.47	1.20	:01	.32	.16	:10	.75	.02	3:00	.75	.02
						:44	.59	2.40	:02	.33	.16	:20	.76	.02	:30	.76	.02
						:45	.61	1.20	:03	.34	.16	:40	.77	.04	:40	.77	.04
						:50	.63	.24	:04	.35	.16	:50	.78	.12	:50	.78	.12
						:52	.63	.24	:05	.36	.16	:55	.78	.06	:55	.78	.06
						:53	.63	.24	:06	.37	.16	:58	.78	.06	:58	.78	.06
						:54	.63	.24	:07	.38	.16	:59	.78	.06	:59	.78	.06
						:55	.63	.24	:08	.39	.16	:00	.78	.06	:00	.78	.06
						:56	.63	.24	:09	.40	.16	:01	.78	.06	:01	.78	.06
						:57	.63	.24	:10	.41	.16	:02	.78	.06	:02	.78	.06
						:58	.63	.24	:11	.42	.16	:03	.78	.06	:03	.78	.06
						:59	.63	.24	:12	.43	.16	:04	.78	.06	:04	.78	.06
						:00	.63	.24	:13	.44	.16	:05	.78	.06	:05	.78	.06
						:01	.63	.24	:14	.45	.16	:06	.78	.06	:06	.78	.06
						:02	.63	.24	:15	.46	.16	:07	.78	.06	:07	.78	.06
						:03	.63	.24	:16	.47	.16	:08	.78	.06	:08	.78	.06
						:											



TABLE 48.—Rainfall at station 102 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-30—Con.			STORM OF JUNE 9-10—Con.			STORM OF JUNE 18—Con.			STORM OF JUNE 26—Con.			STORM OF JUNE 30-JULY 1 Continued		
May 30			June 10			June 18			June 26			June 30		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
1:00	0.93	0	1:08	0		8:20	0.12	0.24	12:22	0.12	1.50	11:45	0.40	0.24
:15	.94	.04	:10	.02	0.60	:30	.14	.12	:24	.13	.30	:50	.42	.24
:30	.96	.08	:13	.07	1.00	:52	.14	0	:25	.13	.30	:55	.42	0
2:20	.96	0	:15	.12	1.50	:55	.16	.40	:40	.13	0	12:00	.44	.24
:30	.97	.06	:20	.19	.84	9:00	.17	.12	1:00	.14	.03	July 1		
:40	.98	.06	:21	.20	.60	:15	.19	.08	:10	.15	.06	<i>a. m.</i>		
3:00	1.00	.06	:25	.43	3.45	:30	.23	.16	STORM OF JUNE 28			12:20	.46	.06
:20	1.03	.09	:28	.59	3.20	:32	.23	0	June 28			:40	.47	.03
:40	1.05	.06	:30	.62	.90	:35	.24	.20	<i>a. m.</i>			:45	.48	.12
4:00	1.07	.06	:35	.85	2.76	:40	.25	.12	7:43	0		:50	.50	.24
:20	1.10	.09	:37	.90	1.50	10:10	.25	0	:45	.10	3.00	:55	.51	.12
:40	1.15	.15	:40	.91	.20	:15	.28	.36	:46	.18	4.80	1:25	.51	0
5:00	1.19	.12	2:10	.91	0	:30	.28	0	:47	.32	8.40	:30	.52	.12
:20	1.21	.06	:20	.94	.18	:40	.29	.06	:49	.47	4.50	:45	.52	0
:40	1.23	.06	:30	.95	.06	11:03	.29	0	:50	.51	2.40	2:00	.53	.04
6:00	1.27	.12	3:02	.95	0	:05	.30	.30	:51	.54	1.80	:15	.54	.04
:20	1.28	.03	:05	.96	.20	:10	.32	.24	:52	.58	1.20	STORM OF JULY 11		
:40	1.30	.06	:10	.97	.12	:13	.32	0	:55	.63	1.00	July 11		
7:00	1.32	.06	:12	.98	.30	:15	.38	1.80	8:00	.76	1.56	<i>p. m.</i>		
:20	1.32	0	:15	1.01	.60	:18	.42	.80	:03	.76	0	4:25	0	
:40	1.34	.06	:20	1.03	.24	:20	.42	0	:05	.78	.60	:28	.03	0.60
8:00	1.36	.06	7:05	1.03	0	:25	.42	0	:09	.78	0	:30	.04	.30
:20	1.37	.03	:10	1.05	.24	:28	.43	.20	:10	.81	1.80	5:00	.04	0
:40	1.40	.09	STORM OF JUNE 11			:30	.43	0	:13	.94	2.60	:02	.06	.60
9:00	1.42	.06	June 11			3:37	0		:15	.96	.60	:03	.07	.60
:30	1.43	.02	<i>a. m.</i>			:40	.02	.40	:55	.96	0	:05	.10	.90
1:45			3:42	0	0.40	:41	.03	.60	:58	1.04	1.60	:07	.13	.90
STORM OF JUNE 7-8			:45	.02	0.40	:45	.23	3.00	9:00	1.17	3.90	:10	.14	.20
June 7			:50	.03	.12	:46	.30	4.20	:03	1.30	2.60	:15	.14	0
<i>a. m.</i>			4:06	.03	0	:50	.51	3.15	:05	1.33	.90	:18	.15	.20
11:50	0	0.18	:08	.04	.30	:51	.56	3.00	:10	1.50	2.04	:20	.15	0
12:00	.03		:10	.04	0	:53	.58	.60	:15	1.51	.12	:22	.16	.60
<i>p. m.</i>			:10	.04	0	:55	.73	4.50	:16	1.54	1.80	:23	.15	0
12:30	.03	0	7:30	.04	0	:56	.77	2.40	:20	1.56	.30	:25	.20	1.20
1:00	.05	.04	8:00	.05	.02	:57	.79	1.20	:40	1.60	.12	:27	.25	1.50
June 8			STORM OF JUNE 12			:59	.88	2.70	:50	1.66	.12	:30	.27	.40
<i>a. m.</i>			June 12			4:00	.90	1.20	10:00	1.64	.12	:35	.29	.24
7:00	0		<i>p. m.</i>			:05	.92	.24	:10	1.66	.12	6:10	.29	0
:05	.03	.36	12:18	0	1.20	:10	.95	.36	:11	1.66	0	:15	.32	.36
:10	.05	.24	:20	.04	1.20	:20	.96	.06	STORM OF JUNE 30-JULY 1			:45	.32	0
:20	.05	0	:21	.07	1.80	:30	.97	.06	June 30			:47	.34	.60
:30	.07	.12	:23	.08	.30	:40	.98	.06	<i>p. m.</i>			7:50	.36	.40
STORM OF JUNE 9-10			:25	.08	0	STORM OF JUNE 23			3:55	0		8:00	.38	.12
June 9			1:15	.08	0	June 23			4:00	.02	0.24	STORM OF JULY 23		
<i>a. m.</i>			:20	.09	.12	8:22	0.03	(1)	:05	.03	.12	July 23		
1:23	0		:21	.09	0	:25	.25	4.40	:10	.04	.12	<i>p. m.</i>		
:25	.09	2.70	:22	.19	6.00	:28	.46	4.20	:20	.06	.06	12:13	0	
:26	.12	1.80	:25	.26	1.40	:30	.56	3.00	:30	.06	0	:15	.09	2.70
:30	.14	.30	:30	.42	.90	:35	.62	.72	:40	.08	.12	:17	.25	4.80
:35	.15	.12	:40	.43	.06	:40	.63	.12	:50	.09	.06	:19	.31	1.80
STORM OF JUNE 9-10			STORM OF JUNE 12			:45	.65	.24	:50	.09	.06	:20	.38	4.20
June 9			June 12			:50	.66	.12	6:20	.09	0	:25	.43	.60
<i>a. m.</i>			<i>p. m.</i>			:55	.66	0	:30	.11	.12	4:57	.43	0
1:23	0		12:05	0		9:00	.68	.24	:40	.12	.06	5:00	.51	1.60
:25	.09	2.70	:09	.04	0.60	:20	.73	.15	:50	.12	.06	:03	.56	1.00
:26	.12	1.80	:10	.08	2.40	:40	.79	.18	:50	.14	.12	:05	.57	.30
:30	.14	.30	:12	.15	2.10	10:00	.80	.03	7:16	.14	0	7:31	.57	0
:35	.15	.12	:14	.18	.90	:20	.81	.03	:20	.17	.45	:33	.61	1.20
STORM OF JUNE 9-10			:15	.22	2.40	STORM OF JUNE 25			:35	.06	.06	:35	.65	1.20
June 9			:16	.24	1.20	June 25			:40	.08	.12	:37	.64	2.70
<i>a. m.</i>			:20	.26	.30	<i>p. m.</i>			:55	.05	.60	:40	.95	.42
1:23	0		:30	.27	.06	6:40	0		10:00	.06	.12	:41	1.06	6.60
:25	.09	2.70	:40	.28	.06	:45	.02	0.24	:10	.07	.06	:42	1.13	2.10
:26	.12	1.80	8:53	0		:50	.03	.12	:20	.08	.06	:45	1.33	4.00
:30	.14	.30	:55	.02	.60	:55	.05	.24	:22	.08	0	:47	1.37	1.20
:35	.15	.12	:58	.11	1.80	7:03	.05	0	:25	.09	.20	:50	1.41	.80
STORM OF JUNE 9-10			:04	.14	.30	:05	.07	.60	:30	.12	.36	:53	1.44	.60
June 9			:05	.15	.60	:07	.10	.90	:35	.13	.12	STORM OF JULY 24		
<i>p. m.</i>			:13	.15	0	:10	.17	1.40	40	.13	0	July 24		
3:50	.15	0	:15	.17	.60	:15	.20	.36	:45	.16	.36	<i>p. m.</i>		
:55	.20	.60	:20	.18	.12	10:10	.20	0	:50	.20	.48	8:35	0	
4:00	.28	.96	STORM OF JUNE 18			:20	.22	.12	:55	.20	0	:38	.10	2.00
:10	.29	.06	June 18			STORM OF JUNE 26			:04	.24	.30	:40	.23	3.90
10:30	.29	0	<i>a. m.</i>			June 26			:05	.24	0	:42	.27	1.20
:40	.31	.12	7:46	0		<i>p. m.</i>			:10	.24	0	:45	.28	.20
:50	.34	.18	:50	.04	0.60	6:40	0		:15	.25	.12	:50	.29	.12
:55	.35	.06	:55	.06	.24	:45	.02	0.24	:20	.29	.48	9:00	.31	.12
11:00	.35	.02	:58	.07	.12	:50	.03	.12	:25	.31	.24	:20	.31	0
:30	.36		8:00	.07	.12	:55	.05	.24	:30	.34	.36	:30	.33	.12
STORM OF JUNE 9-10			:10	.08	.06	10:10	.20	0	:35	.37	.36	STORM OF JULY 24		
June 9			STORM OF JUNE 18			:20	.22	.12	:40	.38	.12	July 24		
<i>a. m.</i>			June 18			STORM OF JUNE 26			STORM OF JULY 24			<i>p. m.</i>		
12:30	.36	0	<i>a. m.</i>			June 26			8:35	0		8:35	0	
1:00	.37	.02	7:46	0		<i>p. m.</i>			:38	.10	2.00	:40	.23	3.90
STORM OF JUNE 9-10			:50	.04	0.60	6:40	0		:42	.27	1.20	:45	.28	.20
June 9			:55	.06	.24	:45	.02	0.24	:45	.28	.20	:50	.29	.12
<i>a. m.</i>			:58	.07	.12	:50	.03	.12	:50	.29	.12	9:00	.31	.12
12:30	.36	0	8:00	.07	.12	:55	.05	.24	:55	.20	0	:20	.31	0
1:00	.37	.02	:10	.08	.06	10:10	.20	0	:04	.24	.30	:30	.33	.12
STORM OF JUNE 9-10			STORM OF JUNE 18			:20	.22	.12	:05	.24	.30	STORM OF JULY 24		
June 9			June 18			STORM OF JUNE 26			STORM OF JULY 24			<i>p. m.</i>		
<i>a. m.</i>			<i>a. m.</i>			June 26			8:35	0				



TABLE 48.—Rainfall at station 102 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 26			STORM OF AUG. 25-26—Con.			STORM OF AUG. 27—Con.			STORM OF NOV. 1			STORM OF NOV. 10-11—Con.		
July 26			Aug. 25			Aug. 27			Nov. 1			Nov. 11		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
5:30-----	0	0.12	10:00-----	0.07	0.09	8:20-----	2.61	1.92	7:00-----	0	0.06	6:55-----	0.50	0.17
:40-----	.02		:08-----	.09	.15	:30-----	2.63	.12	:20-----	.02		7:00-----	.51	.12
6:00-----	.02	0	:14-----	.12	.30	:40-----	2.65	.12	:40-----	.03	.03	:05-----	.52	.12
:10-----	.04	.12	:20-----	.12	0	:50-----	2.67	.12	8:00-----	.04	.03	:08-----	.53	.20
:20-----	.06	.12	:22-----	.13	.30	9:00-----	2.72	.30	:20-----	.06	.06	8:00-----	.56	.03
:25-----	.07	.12	11:00-----	.16	.05				:30-----	.07	.06	:22-----	.57	.03
7:13-----	.07	0	:07-----	.21	.43	STORM OF SEPT. 8			:41-----	.13	.33	:24-----	.61	1.20
:15-----	.08	.30	:08-----	.28	4.20	STORM OF SEPT. 8			:46-----	.15	.24	:28-----	.64	.45
:18-----	.09	.20	:14-----	.28	0	Sept. 8			9:00-----	.16	.04	9:00-----	.67	.06
:20-----	.13	1.20	:20-----	.29	.10	a. m.			:14-----	.17	.04	10:00-----	.70	.03
:21-----	.15	1.20	:40-----	.30	.03	8:00-----	0	0.15	:20-----	.18	.10	:20-----	.73	.09
:25-----	.15	0	12:00-----	.31	.03	:08-----	.02	0.15	:26-----	.19	.10	:42-----	.79	.16
:40-----	.15	0				:10-----	.12	3.00	:41-----	.20	.04	11:00-----	.83	.13
:44-----	.16	.15	Aug. 26			:13-----	.17	1.00	10:00-----	.23	.09	12:00-----	.85	.02
:45-----	.17	.60	a. m.			:20-----	.20	.26	:20-----	.26	.09	p. m.		
:47-----	.18	.30	12:11-----	.33	.11	:40-----	.23	.09	:40-----	.29	.09	6:00-----	.85	0
:50-----	.24	1.20	:16-----	.36	.36	:55-----	.26	.12	11:00-----	.33	.12	:18-----	.91	.20
:53-----	.29	1.00	:20-----	.53	2.55	9:00-----	.29	.36	:20-----	.34	.15			
:54-----	.33	2.40	6:36-----	.53	0	:10-----	.32	.18	:31-----	.39	.06	STORM OF NOV. 26-27		
:55-----	.34	.60	:54-----	.57	.13	:20-----	.36	.24	:40-----	.41	.13	Nov. 26		
5:00-----	.44	.60	7:00-----	.57	0	:30-----	.40	.24	12:00-----	.43	.06	a. m.		
:03-----	.51	1.40				:40-----	.42	.12	p. m.			11:28-----	0	0.04
:05-----	.51	0	STORM OF AUG. 27						1:00-----	.44	.01	12:00-----	.02	
:17-----	.51	0	Aug. 27			STORM OF SEPT. 9-10			4:10-----	.44	0	p. m.		
:20-----	.54	.60	a. m.			Sept. 9			:26-----	.45	.04	12:30-----	.07	.10
:22-----	.55	.30	12:40-----	0	0.06	p. m.			5:00-----	.45	0	1:00-----	.17	.20
:25-----	.55	0	:20-----	.01		11:30-----	0	0.15	:14-----	.46	.04	:15-----	.21	.16
STORM OF AUG. 14			:28-----	.08	.53	:38-----	.02		:23-----	.48	.13	:32-----	.30	.32
Aug. 14			:30-----	.11	.90	:40-----	.03	.30	6:18-----	.48	0	2:00-----	.48	.39
a. m.			:36-----	.17	.60	12:00-----	.06	.09	:44-----	.50	.05	:20-----	.52	.12
2:16-----	0	1.00	:40-----	.17	0	Sept. 10			:57-----	.57	.27	:51-----	.70	.35
:19-----	.05		:50-----	.17	0	a. m.			:12-----	.58	.05	3:00-----	.73	.20
:21-----	.13	2.40	:55-----	.25	.96	12:10-----	.09	.18				:17-----	.79	.21
:23-----	.20	2.10	1:00-----	.31	.72	:20-----	.12	.18	STORM OF NOV. 5			4:00-----	.87	.11
:28-----	.27	.84	:04-----	.31	0	:26-----	.14	.12	Nov. 5			:23-----	.94	.18
STORM OF AUG. 14			:10-----	.31	0	:30-----	.17	.09	a. m.			5:00-----	.95	.02
Aug. 14			:14-----	.43	1.80	:40-----	.24	.24	8:30-----	0	0.02	6:00-----	.96	.01
a. m.			:20-----	.45	.20	:50-----	.30	.36	9:01-----	.01		:24-----	1.02	.15
2:16-----	.11	1.65	:26-----	.45	0	2:00-----	.32	.12	:32-----	.04	.06	7:00-----	1.04	.03
:40-----	.12	.10	8:13-----	.45	0	:30-----	.20	.06	:44-----	.06	.10	:21-----	1.07	.09
:46-----	.12	.10	:20-----	.55	.86	:40-----	.24	.24	10:04-----	.09	.09	8:00-----	1.09	.03
2:00-----	.13	.04	:30-----	.55	0	:50-----	.30	.36	:20-----	.10	.04	9:00-----	1.11	.02
:01-----	.17	2.40	:40-----	.55	0	3:00-----	.36	.04	11:00-----	.10	0	10:00-----	1.12	.01
:03-----	.36	5.70	:50-----	.59	.24	:40-----	.37	.02	:26-----	.10	0	STORM OF NOV. 10-11		
:05-----	.46	3.00	:52-----	.59	0	STORM OF SEPT. 24-25			:30-----	.12	.30	Nov. 10		
:10-----	.60	1.68	9:00-----	.60	.08	Sept. 24			:40-----	.14	.12	p. m.		
:16-----	.83	2.30	:10-----	.67	.42	8:07-----	0	0.17	:22-----	.21	.10	12:04-----	.18	.15
:20-----	.98	2.25	:18-----	.88	1.58	:14-----	.02		:40-----	.23	.07	:22-----	.21	.10
:26-----	1.00	.20	:20-----	.89	.30	:20-----	.02	0	:50-----	.27	.24	:40-----	.23	.07
:30-----	1.02	.30	:30-----	.89	0	:30-----	.04	.08	1:16-----	.29	.05	:50-----	.27	.24
:35-----	1.03	.12	:32-----	.90	.30	:40-----	.05	.03	2:00-----	.30	.01	5:00-----	.30	0
5:12-----	1.03	0	:40-----	.90	.30	:50-----	.06	.06	:26-----	.31	.02	:30-----	.32	.15
:15-----	1.07	.80	:40-----	1.15	1.89	10:00-----	.07	.06	STORM OF NOV. 10-11			STORM OF DEC. 12		
6:00-----	1.08	.01	:50-----	1.47	1.92	:08-----	.08	.08	Nov. 10			Dec. 12		
STORM OF AUG. 18			:58-----	1.55	.24	:16-----	.11	.23	p. m.			a. m.		
Aug. 18			10:00-----	1.55	0	:20-----	.13	.30	12:04-----	.18	.15	9:30-----	0	0.02
p. m.			:11-----	1.75	1.10	:29-----	.20	.47	:22-----	.21	.10	10:00-----	.01	.02
5:52-----	0	2.85	:16-----	1.80	.60	:40-----	.22	.11	:40-----	.23	.07	11:00-----	.02	.01
:56-----	.19	2.85	:20-----	1.80	0	:50-----	.24	.24	:50-----	.27	.24	12:00-----	.03	.01
:59-----	.21	.40	:30-----	1.81	.06	11:00-----	.23	.03	1:16-----	.29	.05	p. m.		
6:00-----	.27	3.60	:35-----	1.86	.60	:20-----	.23	.03	2:00-----	.30	.01	12:26-----	.05	.05
:02-----	.28	.30	:40-----	1.86	0	:30-----	.25	.06	:40-----	.30	0	1:00-----	.09	.07
:09-----	.30	.17	:40-----	1.86	0	:40-----	.27	.06	:50-----	.31	.02	:09-----	.11	.13
:12-----	.41	2.20	11:00-----	1.86	.01	:50-----	.28	.03	5:00-----	.32	.15	2:00-----	.13	.02
:14-----	.53	3.60	12:00-----	1.87	.01	Sept. 25			:26-----	.31	.02	:08-----	.14	.08
:17-----	.57	.80				a. m.			:30-----	.32	.15	:18-----	.19	.30
:22-----	.63	.72	p. m.			12:20-----	.30	.06	STORM OF NOV. 10-11			3:00-----	.21	.03
:27-----	.75	1.44	1:00-----	1.88	.01	:40-----	.32	.06	Nov. 10			4:00-----	.22	.01
:32-----	.75	0	2:00-----	1.89	.01	:50-----	.35	.09	p. m.			5:00-----	.24	.02
7:00-----	.76	.02	:10-----	1.90	.06	1:00-----	.38	.09	11:55-----	0	0.24	:10-----	.26	.12
:00-----	.77	.01	:20-----	1.94	.24	:20-----	.41	.36	12:00-----	.02		:24-----	.30	.17
9:00-----	.78	.01	:30-----	1.97	.06	:28-----	.43	.10	Nov. 11			:49-----	.38	.19
STORM OF AUG. 25-26			:40-----	1.97	0	:40-----	.46	.03	a. m.			6:00-----	.40	.11
Aug. 25			4:44-----	1.98	.01	2:00-----	.45	.06	12:30-----	.09	.14	7:00-----	.43	.03
p. m.			:58-----	2.02	.17	:30-----	.46	.03	1:00-----	.10	.02	8:00-----	.45	.02
7:26-----	0	0.05	5:00-----	2.02	0	:40-----	.47	.03	:30-----	.15	.06	STORM OF DEC. 16		
:48-----	.02	0.05	:10-----	2.04	.12	:50-----	.48	.03	3:00-----	.18	.06	Dec. 16		
8:00-----	.03	.05	:20-----	2.05	.06	11:00-----	.48	0	:40-----	.27	.27	a. m.		
9:00-----	.03	0	:30-----	2.06	.02	:20-----	.48	0	:46-----	.40	.23	12:12-----	0	0.09
:20-----	.04	.03	:40-----	2.12	.12	:30-----	.49	.03	4:00-----	.40	.02	:52-----	.09	.23
:40-----	.04	0	:50-----	2.19	.21	4:00-----	.49	0	5:00-----	.46	.08	1:00-----	.11	.15
STORM OF AUG. 25-26			7:00-----	2.21	.12	STORM OF SEPT. 24-25			6:00-----	.47	.01			
Aug. 25			:10-----	2.25	.24	Sept. 24								
p. m.			:20-----	2.25	0	8:07-----	0	0.17						
7:26-----	0	0.05	:30-----	2.26	.06	:14-----	.02							
:48-----	.02	0.05	:40-----	2.27	.02	:20-----	.02	0						
8:00-----	.03	0	:50-----	2.32	.30	:30-----	.04	.08						
9:00-----	.03	0	:15-----	2.45	1.56	:40-----	.05	.03						
:20-----	.04	.03				:50-----	.06	.06						
:40-----	.04	0				10:00-----	.07	.06						



TABLE 48.—Rainfall at station 102 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF DEC. 16—Con.			STORM OF DEC. 27-28			STORM OF DEC. 28-30			STORM OF DEC. 28-30—Con.			STORM OF DEC. 28-30—Con.		
Dec. 16			Dec. 27			Dec. 28			Dec. 29			Dec. 29		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
1:38-----	0.18	0.11	3:42-----	0		6:12-----	0		1:40-----	0.35	0.12	5:00-----	0.96	0.03
2:00-----	.22	.11	4:00-----	.05	0.17	:50-----	.06	0.09	:52-----	.51	.80	6:00-----	.97	.01
:20-----	.24	.06	:18-----	.08	.10	7:00-----	.08	.12	2:00-----	.53	.15	12:00-----	1.04	.42
:22-----	.26	.60	:33-----	.13	.20	:10-----	.09	.06	:12-----	.55	.10	Dec. 30		
3:00-----	.36	.16	:36-----	.17	.80	8:00-----	.09	0	:30-----	.61	.20	<i>a. m.</i>		
:20-----	.40	.12	:50-----	.25	.34	9:00-----	.10	.01	3:00-----	.64	.06	1:00-----	1.05	.01
:52-----	.42	.04	5:00-----	.27	.12	:30-----	.14	.08	:16-----	.66	.08	2:00-----	1.06	.01
4:00-----	.43	.08	:09-----	.29	.13	10:00-----	.14	0	:28-----	.69	.15	3:00-----	1.07	.01
5:00-----	.45	.02	:19-----	.31	.12	:44-----	.15	.01	4:00-----	.69	0	4:00-----	1.08	.01
6:00-----	.46	.01	:30-----	.35	.22	11:00-----	.18	.11	:12-----	.69	0	5:00-----	1.09	.01
7:00-----	.46	0	6:00-----	.37	.04	:08-----	.22	.30	:19-----	.75	.52	6:00-----	1.10	.01
8:00-----	.47	.01	9:00-----	.37	0	:14-----	.23	.10	5:00-----	.77	.03	8:00-----	1.12	.04
9:00-----	.47	0	10:00-----	.42	.05	:20-----	.28	.50	6:00-----	.77	0	9:00-----	1.13	.01
10:00-----	.48	.01	11:00-----	.44	.02	:46-----	.31	.07	7:00-----	.79	.02	10:00-----	1.14	.01
11:00-----	.49	.01	12:00-----	.45	.01	12:00-----	.32	.04	:30-----	.81	.04	11:00-----	1.15	.01
12:00-----	.49	0	Dec. 28			Dec. 29			8:00-----	.84	.06	12:00-----	1.18	.03
<i>p. m.</i>			<i>a. m.</i>			<i>a. m.</i>			9:00-----	.87	.03	<i>p. m.</i>		
1:00-----	.50	.01	3:28-----	.45	0	1:00-----	.33	.01	10:00-----	.91	.04	12:27-----	1.20	.04
:03-----	.56	1.20	:44-----	.47	.08	:30-----	.33	0	3:24-----	.91	0			
:07-----	.59	.45							4:00-----	.93	.03			
:35-----	.60	.02												

TABLE 49.—Rainfall at station Y-103 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 9-11—Con.			STORM OF FEB. 9-11—Continued			STORM OF FEB. 18—Con.			STORM OF MAR. 2-3		
Jan. 14			Feb. 9			Feb. 10			Feb. 18			Mar. 2		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:00-----	0		5:00-----	0.05	0.02	5:15-----	0.50	0.12	6:00-----	0.01	0.02	8:15-----	0	
:10-----	.01	0.06	:30-----	.06	.02	:20-----	.52	.24	:30-----	.02	.02	:20-----	.02	0.24
:20-----	.04	.18	6:20-----	.06	0	:25-----	.53	.12	7:00-----	.03	.02	:25-----	.03	.12
:30-----	.09	.30	:30-----	.07	.06	:35-----	.53	0	:30-----	.04	.02	:45-----	.03	0
:40-----	.13	.24	:40-----	.07	0	:40-----	.54	.12	8:00-----	.06	.04	9:00-----	.05	.08
:50-----	.14	.06	7:00-----	.10	.09	:45-----	.56	.24	:20-----	.07	.03	10:30-----	.05	0
7:00-----	.17	.18	:20-----	.11	.03	:50-----	.57	.12	:40-----	.08	.03	11:00-----	.07	.04
:10-----	.21	.24	:40-----	.12	.03	6:00-----	.58	.06	9:00-----	.09	.03	:30-----	.07	0
:20-----	.24	.18	9:25-----	.12	0	:10-----	.61	.18	10:00-----	.09	0	12:00-----	.08	.02
:30-----	.28	.24	:30-----	.13	.12	:15-----	.63	.24	:10-----	.10	.06	<i>p. m.</i>		
:40-----	.37	.54	:35-----	.14	.12	:25-----	.63	0	:50-----	.10	0	12:30-----	.09	.02
:50-----	.43	.36	:40-----	.15	.12	:30-----	.65	.24	11:00-----	.11	.06	1:55-----	.09	0
8:00-----	.50	.42	10:00-----	.15	0	:40-----	.67	.12	:15-----	.11	0	2:00-----	.10	.12
:10-----	.53	.18	:30-----	.16	.02	:47-----	.67	0	:20-----	.12	.12	3:00-----	.11	.01
:20-----	.56	.18	11:00-----	.17	.02	:50-----	.68	.20	:30-----	.13	.06	5:00-----	.11	0
:30-----	.61	.30	12:00-----	.17	0	:53-----	.69	.20	:40-----	.13	0	6:00-----	.13	.02
:40-----	.64	.18	Feb. 10			:55-----	.69	0	:50-----	.14	.06	7:00-----	.14	.01
:50-----	.64	0	<i>a. m.</i>			7:00-----	.69	0	:55-----	.14	0	8:00-----	.15	.01
:55-----	.65	.12	12:30-----	.18	.02	:10-----	.70	.06	:56-----	.15	.60	9:30-----	.15	0
9:00-----	.66	.12	5:00-----	.18	0	:20-----	.70	0	12:00-----	.15	0	:45-----	.16	.04
:10-----	.67	.06	:30-----	.19	.02	:30-----	.71	.06				10:15-----	.16	0
:20-----	.67	0	6:00-----	.20	.02	:40-----	.72	.06	<i>p. m.</i>			:30-----	.18	.08
:30-----	.68	.06	:30-----	.20	0	:50-----	.73	.06	12:05-----	.15	0	:45-----	.18	0
:40-----	.70	.12	7:00-----	.21	.02	8:07-----	.73	0	:10-----	.16	.12	11:00-----	.21	.12
:50-----	.74	.24	:30-----	.22	.02	:10-----	.74	.20	:20-----	.17	.06	:15-----	.21	0
10:00-----	.77	.18	12:00-----	.22	0	:15-----	.75	.12	:40-----	.19	.06	:30-----	.22	.04
:10-----	.80	.18	<i>p. m.</i>			:35-----	.75	0	1:00-----	.21	.06	:45-----	.23	.04
:20-----	.82	.12	1:00-----	.23	.01	:37-----	.77	.60	:20-----	.23	.06			
:30-----	.85	.18	2:00-----	.24	.01	:39-----	.77	0	:30-----	.25	.12	Mar. 3		
:40-----	.86	.06	3:42-----	.24	0	:40-----	.78	.60	:40-----	.25	0	<i>a. m.</i>		
:50-----	.87	.06	:45-----	.26	.40	11:55-----	.78	0	:10-----	.26	.06	12:15-----	.23	0
11:00-----	.89	.12	:47-----	.27	.30	12:00-----	.79	.12	:20-----	.27	.06	:30-----	.24	.04
:10-----	.90	.06	:50-----	.30	.60	Feb. 11			:30-----	.30	.09	:45-----	.25	.04
<i>p. m.</i>			:55-----	.31	.12	<i>a. m.</i>			4:00-----	.38	.12	1:00-----	.26	.04
2:15-----	.90	0	4:00-----	.32	.12	12:10-----	.80	.06	:20-----	.43	.15	:15-----	.27	.04
:20-----	.93	.36	:05-----	.36	.48	:20-----	.83	.18	:40-----	.47	.12	2:00-----	.27	0
STORM OF FEB. 9-11			:08-----	.36	0	:30-----	.86	.18	:07-----	.47	0	:10-----	.32	.30
Feb. 9			:10-----	.37	.30	:40-----	.89	.18	:20-----	.48	.20	5:00-----	.32	0
<i>a. m.</i>			:15-----	.37	0	:50-----	.90	.06	:30-----	.50	.06	6:00-----	.34	.02
10:30-----	0		:20-----	.39	.24	1:10-----	.90	0	:35-----	.51	.12	8:00-----	.34	0
11:00-----	.01	0.02	:25-----	.40	.12	:20-----	.91	.06	:40-----	.53	.24	:30-----	.36	.04
12:00-----	.01	0	:30-----	.42	.24	:30-----	.92	.06	:50-----	.54	.06	9:00-----	.38	.04
<i>p. m.</i>			:35-----	.44	.24	STORM OF FEB. 18			5:00-----	.55	.06	11:30-----	.38	0
12:30-----	.02	.02	:40-----	.45	.12	Feb. 18			:10-----	.57	.12	12:00-----	.39	.02
3:30-----	.02	0	:50-----	.46	.12	<i>a. m.</i>			:35-----	.57	0	<i>p. m.</i>		
4:00-----	.03	.02	5:00-----	.47	.12	5:30-----	0		:40-----	.58	.12	12:30-----	.40	.02
:30-----	.04	.02	:05-----	.48	.12				6:00-----	.58	0	1:00-----	.41	.02
			:10-----	.49	.12				:20-----	.59	.03			



TABLE 49.—Rainfall at station Y-103 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAR. 18			STORM OF APR. 11—Con.			STORM OF APR. 19-20—Con.			STORM OF MAY 23-24—Con.			STORM OF MAY 29—Con.		
Mar. 18			Apr. 11			Apr. 19			May 24			May 29		
p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
5:30	0		1:20	0.06	0.09	4:40	0.32	0.06	2:20	0.29	0.12	6:50	0.15	0.06
4:40	.01	0.06	4:00	.08	.06	5:00	.33	.06	3:00	.31	.12	7:00	.16	.06
5:00	.06	.30	2:00	.10	.06	5:00	.36	.18	4:00	.33	.12	1:00	.16	0
6:00	.11	.30	2:00	.13	.09	5:20	.40	.12	5:00	.35	.12	2:00	.17	.06
5:05	.13	.24	4:00	.15	.06	4:00	.43	.09	3:00	.36	.06	9:30	.17	0
5:06	.14	.60	3:00	.20	.15	6:00	.46	.09	1:00	.38	.12	3:50	.19	.60
5:07	.16	1.20	1:00	.24	.24	2:00	.48	.06	2:00	.39	.06	4:00	.22	.36
5:10	.18	.40	2:00	.28	.24	4:00	.51	.09	3:00	.41	.12	4:30	.23	.20
5:15	.21	.36	3:00	.32	.24	7:00	.54	.09	4:00	.43	.12	4:45	.26	.90
5:20	.23	.24	4:00	.36	.24	2:00	.57	.09	5:00	.45	.12	5:00	.30	.48
5:30	.25	.12	5:00	.38	.12	4:00	.60	.09	4:00	.48	.18	10:00	.31	.06
5:40	.26	.06	4:00	.40	.12	8:00	.63	.09	1:00	.49	.06	1:00	.33	.12
5:50	.26	0	1:00	.41	.06	2:00	.67	.12	2:00	.50	.06	2:00	.35	.12
7:00	.27	.06	2:00	.42	.06	4:00	.74	.21	3:00	.52	.12	3:00	.36	.06
STORM OF MAR. 30			3:00	.43	.06	9:00	.80	.18	5:00	.52	0	4:00	.39	.18
Mar. 30			4:00	.43	0	2:00	.85	.15	5:00	.53	.06	5:00	.41	.12
a. m.	Inches	Inches per hour	5:00	.44	.06	4:00	.90	.15	2:00	.54	.03	5:00	.42	.06
4:45	0		5:00	.45	.06	10:00	.95	.15	4:00	.56	.06	11:00	.42	.06
5:00	.02	0.08	5:00	.45	0	1:00	.99	.24	5:00	.60	.24	STORM OF MAY 30		
5:15	.03	.04	5:05	.46	.30	2:00	1.06	.42	6:00	.64	.24	May 30		
5:30	.06	.12	1:00	.47	.12	3:00	1.12	.36	1:00	.68	.24	a. m.	Inches	Inches per hour
5:45	.07	.04	1:15	.49	.24	4:00	1.17	.30	2:00	.71	.18	1:00	0	
6:00	.10	.12	2:00	.50	.12	5:00	1.22	.30	3:00	.74	.18	1:00	.01	0.06
5:15	.12	.08	2:25	.51	.12	5:50	1.25	.36	4:00	.79	.30	1:15	.03	.12
5:30	.13	.04	3:00	.51	0	11:00	1.27	.24	5:00	.86	.42	1:20	.07	.48
5:45	.17	.16	4:00	.53	.12	1:00	1.34	.42	7:00	.91	.30	2:00	.12	1.50
7:00	.18	.04	6:00	.55	.06	2:00	1.42	.48	1:00	.94	.18	2:25	.18	1.20
5:15	.21	.12	7:00	.57	.06	3:00	1.47	.30	2:00	.96	.12	3:00	.20	.24
5:30	.24	.12	4:00	.60	.09	4:00	1.52	.30	3:00	.98	.12	4:00	.21	.06
5:45	.25	.04	5:00	.66	.18	5:00	1.54	.12	4:00	.99	.06	5:00	.27	.72
8:00	.25	0	1:00	.68	.12	12:00	1.55	.06	5:00	1.00	.06	2:00	.28	0
5:30	.27	.04	2:00	.73	.30	STORM OF MAY 6			8:10	1.00	0	4:00	.28	0
9:00	.29	.04	3:00	.76	.18	May 6			1:00	1.02	.24	5:00	.29	.06
5:30	.31	.04	4:00	.79	.18	a. m.			2:00	1.03	.12	5:00	.29	0
11:45	.31	0	5:00	.82	.18	12:20	1.56	.03	3:00	1.04	.06	5:00	.29	0
12:00	.32	.04	8:00	.83	.06	STORM OF MAY 23-24			4:00	1.05	.06	5:00	.31	.12
STORM OF APR. 3			1:00	.85	.12	May 23			6:00	1.06	.12	6:14	.31	0
Apr. 3			1:15	.87	.24	a. m.			7:00	1.08	.24	6:15	.32	.60
12:15	.34	.08	2:00	.89	.24	11:00	0		8:00	1.09	.12	6:20	.33	.12
3:00	.37	.12	3:00	.93	.12	a. m.			9:00	1.10	.12	6:25	.36	.36
4:45	.40	.12	4:00	.93	0	11:00	.01	0.06	10:00	1.11	.12	6:30	.37	.12
1:00	.43	.12	4:45	.93	.40	12:00	.01	0	11:00	1.13	.30	6:35	.37	0
1:15	.47	.16	5:00	.95	.24	1:00	.02	.06	12:00	1.15	1.20	6:40	.38	.06
3:00	.51	.16	9:00	.99	.24	2:00	.03	.06	1:00	1.21	.80	6:45	.38	0
4:45	.55	.16	1:00	1.03	.24	3:00	.03	0	2:00	1.23	.12	6:50	.39	.06
2:00	.57	.08	1:15	1.04	.12	4:00	.04	.06	3:00	1.25	.12	7:00	.39	0
1:15	.58	.04	2:00	1.05	.12	5:00	.05	.03	4:00	1.27	.12	7:10	.41	.12
3:00	.61	.04	3:00	1.06	.20	6:35	.05	0	5:00	1.29	.12	7:15	.42	.06
4:45	.63	.16	4:00	1.08	.24	3:30	.07	.30	6:00	1.31	.12	7:20	.43	.12
3:00	.67	.16	5:00	1.09	.12	4:00	.11	2.40	7:00	1.33	.12	7:25	.44	.06
1:15	.69	.08	10:00	1.11	.12	4:45	.15	.48	8:00	1.36	.12	7:30	.44	0
3:00	.72	.12	1:00	1.13	.24	5:00	.18	.36	9:00	1.37	.12	7:35	.45	.06
4:45	.74	.08	2:00	1.15	.12	5:00	.18	.36	10:00	1.39	.12	7:40	.45	.06
4:00	.76	.08	3:00	1.18	.18	5:00	.18	.36	11:00	1.40	.06	7:45	.46	.06
1:15	.77	.04	4:00	1.22	.12	5:00	.18	.36	12:00	1.41	.30	7:50	.46	.06
3:00	.78	.04	5:00	1.23	.06	STORM OF MAY 29			1:00	1.42	.20	7:55	.47	.18
STORM OF APR. 11			11:00	1.23	0	May 29			2:00	1.43	.30	8:00	.48	.18
Apr. 11			1:00	1.24	.12	a. m.			3:00	1.46	.36	8:05	.49	.06
12:00	0		1:10	1.26	.24	12:30	.03	0	4:00	1.49	.18	8:10	.50	.06
12:30	.01	0.02	1:20	1.27	.06	1:00	.04	.06	5:00	1.52	.18	8:15	.51	.12
1:00	.03	.04	2:00	1.28	.03	2:00	.05	.03	6:00	1.55	.18	8:20	.52	.12
STORM OF APR. 19-20			3:00	1.28	.03	3:00	.06	.04	7:00	1.57	.12	8:25	.53	.06
Apr. 19			4:00	1.28	.03	4:00	.07	.02	8:00	1.58	.06	8:30	.54	0
a. m.	Inches	Inches per hour	5:00	1.28	.03	5:00	.08	.02	9:00	1.59	.06	8:35	.55	.12
5:00	0		6:00	1.28	.03	6:00	.09	.02	10:00	1.60	.06	8:40	.56	.06
3:00	.01	0.02	7:00	1.28	.03	7:00	.10	.02	11:00	1.61	.06	8:45	.57	.06
6:00	.03	.04	8:00	1.28	.03	8:00	.11	.02	12:00	1.62	.06	8:50	.58	.06
3:00	.04	.02	9:00	1.28	.03	9:00	.12	.02	1:00	1.64	.18	8:55	.59	.06
10:40	.04	0	10:00	1.28	.03	10:00	.13	.02	2:00	1.66	.18	9:00	.60	.03
11:00	.06	.06	11:00	1.28	.03	11:00	.14	.06	3:00	1.67	.18	9:05	.61	.06
2:00	.07	.03	12:00	1.28	.03	12:00	.15	.06	4:00	1.68	.20	9:10	.62	.06
4:00	.09	.06	1:00	1.28	.03	1:00	.16	.06	5:00	1.70	.24	9:15	.63	.06
5:00	.13	.12	2:00	1.28	.03	2:00	.17	.06	6:00	1.71	.12	9:20	.64	.06
STORM OF APR. 23-24			3:00	1.28	.03	3:00	.18	.18	7:00	1.72	.06	9:25	.65	.06
Apr. 23			4:00	1.28	.03	4:00	.19	.06	8:					



TABLE 49.—Rainfall at station Y-103 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 30—Con.			STORM OF JUNE 11—Con.			STORM OF JUNE 23—Con.			STORM OF JUNE 30-JULY 1			STORM OF JULY 22		
May 30			June 11			June 23			June 30			July 22		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:10	0.87	0.06	4:30	0.04	0.02	8:30	0.55	0.60	3:40	0	0.09	3:00	0	0.12
:20	.88	.06	7:00	.04	0	:31	.62	4.20	4:00	.03	.03	:10	.02	.06
:30	.89	.06	:30	.05	.02	:35	.62	0	:20	.04	.03	:20	.03	.06
:40	.91	.12	8:00	.07	.04	:38	.62	0	:50	.04	0	:30	.04	.06
:50	.92	.06				:40	.64	.60	5:00	.05	.06	:40	.05	.06
7:00	.93	.06				:44	.69	.75	:10	.06	.06	:50	.07	.12
:10	.94	.06				:45	.72	1.80	:20	.06	0	5:00	.07	0
:20	.94	0				:47	.74	.60	:30	.07	.06	:20	.08	.03
:30	.95	.06				:50	.74	0	:40	.10	.18	6:30	.08	0
:40	.96	.06				9:00	.74	0	6:00	.12	.06	7:00	.09	.02
:50	.97	.06				:05	.77	.36	:25	.12	0	:30	.10	.02
8:05	.97	0							:30	.13	.12	8:30	.10	0
:10	.98	.12							:35	.15	.24	9:00	.11	.02
:20	.98	0							:40	.17	.24	:30	.12	.02
:30	.99	.06							7:00	.19	.06			
:40	1.00	.06							:15	.19	0			
9:00	1.02	.06							:20	.20	.12			
:20	1.03	.03							:40	.22	.06			
STORM OF JUNE 7			STORM OF JUNE 12			STORM OF JUNE 25-26			STORM OF JULY 23			STORM OF JULY 24		
June 7			June 12			June 25			July 1			July 23		
<i>a. m.</i>			<i>p. m.</i>			<i>p. m.</i>			<i>a. m.</i>			<i>p. m.</i>		
11:38	0	0.30	12:05	0	0.12	4:15	0	0.24	12:05	.63	.12	12:12	0	0.80
:40	.01	.24	:10	.01	.30	:20	.02	0	:10	.64	.12	:15	.04	2.16
:45	.03	.24	:12	.02	.80	6:45	.02	0	:20	.65	.06	:20	.22	1.80
:50	.03	0	:15	.11	1.80	:50	.05	.36	:30	.66	.06	:25	.29	.20
12:00	.04	.06	:18	.15	.80	:55	.08	.36	:40	.66	0	:30	.30	.12
			:20	.21	1.80	7:00	.09	.12	:50	.67	.24	2:07	.30	0
			:22	.26	1.50	:06	.09	0	11:00	.69	.36	:08	.35	3.00
			:23	.32	3.60	:10	.12	.45	:05	.70	.12	:10	.36	.30
			:25	.32	0	:15	.19	.84	:20	.71	.12	:30	.36	0
			:30	.33	.12	:16	.20	.60	:30	.72	.12	:40	.37	.06
			:40	.35	.12	:20	.20	0	:40	.73	.12	5:02	.37	0
			8:58	.35	0	10:15	.20	0	:45	.73	0	:05	.42	1.00
			9:00	.43	2.40	:20	.21	.12	:50	.74	.12	:10	.54	1.44
			:02	.51	2.40	12:00	.21	0	:55	.75	.12	:13	.56	.40
			:05	.54	.60				12:00	.76	.12	:15	.56	0
			:10	.56	.24	June 26						7:35	.56	0
			:18	.56	0	<i>a. m.</i>						:40	.59	.36
			:20	.58	.60	1:00	.23	.02				:42	.66	2.10
			11:00	.58	0	<i>p. m.</i>						:44	.74	2.40
			12:00	.59	.01	12:15	.23	0				:45	.82	4.80
STORM OF JUNE 8-10			STORM OF JUNE 18			STORM OF JUNE 28			STORM OF JULY 11			STORM OF JULY 26		
June 8			June 18			June 28			July 11			July 26		
<i>a. m.</i>			<i>a. m.</i>			<i>a. m.</i>			<i>p. m.</i>			<i>p. m.</i>		
6:50	0	0.24	7:43	0	0.30	7:41	0	2.00	1:35	0	0.40	5:30	0	0.12
:55	.02	0	:45	.01	.30	:44	.10	5.40	:38	.02	1.80	:40	.02	.06
7:00	.02	0	:49	.03	.30	:45	.19	6.60	:40	.08	0	:50	.03	.06
:05	.04	.24	:50	.07	2.40	:46	.30	4.20	:40	.08	0	6:00	.04	.06
	.68		:55	.09	.24	:48	.44	2.40	:45	.09	.03	:10	.05	.06
			8:00	.10	.12	:50	.52	2.40	4:00	.09	0	:20	.07	.12
			:05	.11	.12	:53	.55	.60	:25	.09	0	:30	.08	.06
			:10	.12	.12	:55	.64	2.70	:30	.11	.24	:40	.08	0
			:15	.15	.18	:58	.65	.20	:40	.13	.12	5:00	.09	.06
			:20	.16	.06	:05	.65	0	:50	.14	.20	:20	.11	.60
			:30	.16	0	:10	.69	.48	:03	.14	0	:25	.14	.90
			:50	.16	.18	:15	.96	3.24	:05	.14	.20	:30	.15	.12
			9:00	.19	.18	:20	.98	.24	:07	.14	.20	:40	.15	0
			:10	.22	.18	:24	.98	0	:10	.14	.20	:45	.16	.12
			:20	.23	.06	:32	.98	0	:17	.14	.20	:50	.18	.24
			:30	.24	.06	:35	.98	0	:20	.14	.20			
			:40	.26	.40	:40	1.05	1.40	:25	.15	.24			
			10:00	.27	.03	:45	1.17	3.60	:30	.16	.24			
			:10	.27	0	:48	1.28	2.20	:35	.17	.24			
			:15	.28	.12	:50	1.35	2.10	:40	.18	.24			
			:20	.29	.12	:53	1.40	1.00	:45	.18	.24			
			:40	.29	0	:55	1.46	1.80	:50	.19	.24			
			11:00	.30	.03	:58	1.59	2.60	:55	.20	.24			
			:04	.30	0	:05	1.59	0	:03	.21	.24			
			:05	.31	.60	:10	1.61	1.20	:05	.22	.60			
			:10	.32	.12	:12	1.64	.90	:07	.22	.40			
			:14	.33	.15	:15	1.65	.20	:10	.24	.40			
			:15	.35	1.20	:19	1.65	0	:17	.24	.40			
			:18	.39	.80	:20	1.68	.18	:20	.25	.40			
			:20	.40	.30	:22	1.69	.06	:25	.26	.40			
			:30	.41	.06	:25	1.71	.12	:30	.26	.40			
STORM OF JUNE 11			STORM OF JUNE 23			STORM OF JUNE 28			STORM OF JULY 11			STORM OF JULY 26		
June 11			June 23			June 28			July 11			July 26		
<i>a. m.</i>			<i>p. m.</i>			<i>a. m.</i>			<i>p. m.</i>			<i>p. m.</i>		
3:48	0	0.60	8:21	0.05	(1) 3.90	7:41	0	2.00	1:35	0	0.40	5:30	0	0.12
:50	.02	.30	:25	.31	3.90	:44	.10	5.40	:38	.02	1.80	:40	.02	.06
:52	.03	.30	:29	.54	3.45	:45	.19	6.60	:40	.08	0	:50	.03	.06
:55	.03	0				:46	.30	4.20	:40	.08	0	6:00	.04	.06
4:00	.03	0				:48	.44	2.40	:45	.09	.03	:10	.05	.06
						:50	.52	2.40	4:00	.09	0	:20	.07	.12
						:53	.55	.60	:25	.09	0	:30	.08	.06
						:55	.64	2.70	:30	.11	.24	:40	.08	0
						:58	.65	.20	:40	.13	.12	5:00	.09	.06
						:05	.65	0	:50	.14	.20	:20	.11	.60
						:10	.69	.48	:03	.14	0	:25	.14	.90
						:15	.96	3.24	:05	.14	.20	:30	.15	.12
						:20	.98	.24	:07	.14	.20	:40	.15	0
						:24	.98	0	:10	.14	.20	:45	.16	.12
						:32	.98	0	:17	.14	.20	:50	.18	.24
						:35	1.05	1.40	:20	.15	.24			
						:40	1.17	3.60	:25	.16	.24			
						:45	1.28	2.20	:30	.17	.24			



TABLE 49.—*Rainfall at station Y-103 for selected storms, 1940—Continued*[illegible]



TABLE 49.—Rainfall at station Y-103 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF DEC. 16—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.		
Dec. 16			Dec. 27			Dec. 28			Dec. 29			Dec. 29		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:20	0.01	0.03	3:52	0.01	0.06	5:00	0.31	0.01	1:40	0.53	0.02	2:00	0.94	0.02
4:00	0.03	0.06	4:00	0.03	0.15	6:00	0.32	0.01	4:48	0.56	0.23	3:00	0.95	0.01
5:30	0.05	0.09	4:30	0.07	0.08				2:00	0.61	0.25	4:00	0.96	0.01
1:00	0.07	0.17	5:40	0.13	0.16	<i>p. m.</i>			1:19	0.64	0.09	5:00	0.98	0.02
1:08	0.09	0.15	5:00	0.14	0.10	6:10	0.32	0	3:37	0.68	0.13	6:00	0.99	0.01
3:30	0.12	0.08	12:12	0.16	0.10	1:40	0.34	0.04	3:00	0.70	0.05	7:00	1.00	0.01
4:46	0.14	0.08	3:30	0.18	0.07	5:50	0.37	0.18	2:28	0.72	0.04	8:00	1.01	0.01
2:00	0.16	0.09	6:00	0.19	0.02	7:00	0.38	0.06	4:00	0.73	0.02	9:00	1.02	0.01
1:08	0.18	0.15	7:00	0.20	0.01	8:00	0.39	0.01	12:12	0.73	0	10:00	1.03	0.01
3:30	0.20	0.05	8:00	0.20	0	1:55	0.39	0	2:20	0.75	0.15	11:00	1.03	0
4:40	0.22	0.12	9:00	0.21	0.01	9:00	0.40	0.12	3:31	0.76	0.06	12:00	1.04	0.01
5:50	0.24	0.12	1:16	0.22	0.04	2:22	0.42	0.05	4:43	0.77	0.05			
3:00	0.26	0.12	10:00	0.23	0.01	10:00	0.43	0.02	5:00	0.78	0.04	Dec. 30		
4:00	0.30	0.04	11:00	0.25	0.02	1:40	0.43	0	6:00	0.80	0.02	<i>a. m.</i>		
5:00	0.31	0.01	12:00	0.26	0.01	11:00	0.45	0.06	7:00	0.80	0	1:00	1.05	0.01
6:00	0.32	0.01				1:06	0.46	0.10	8:00	0.83	0.03	2:00	1.05	0
4:40	0.33	0.02				3:30	0.47	0.03	9:00	0.84	0.01	3:00	1.06	0.01
STORM OF DEC. 27-30			Dec. 28			4:20	0.50	0.15	10:00	0.86	0.06	4:00	1.07	0.01
Dec. 27			<i>a. m.</i>			5:56	0.51	0.04	11:00	0.87	0.02	5:00	1.09	0.02
<i>p. m.</i>			1:00	0.27	0.01	12:00	0.51	0	12:00	0.91	0.03	6:00	1.10	0.01
3:42	0		2:00	0.28	0.01	Dec. 29			<i>p. m.</i>			7:00	1.11	0.01
			3:00	0.29	0.01	1:00	0.52	0.01						
			4:00	0.30	0.01									

TABLE 50.—Rainfall at station 103 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 9-11—Con.			STORM OF MAR. 2-4		
Jan. 14			Feb. 6			Feb. 10			Feb. 10			Mar. 2		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:00	0	0.04	8:00	0.03	0.02	4:50	0.16	0	8:25	0.73	0	8:10	0	0.06
3:30	0.02	0.02	3:30	0.04	0.02	5:00	0.17	0.06	2:28	0.74	0.20	2:00	0.01	0.06
7:00	0.03	0.02	4:00	0.05	0.06	6:00	0.17	0	3:30	0.75	0.30	3:00	0.02	0.06
1:10	0.05	0.12	5:00	0.08	0.18	2:00	0.18	0.03	4:00	0.76	0.06	4:45	0.04	0.08
2:30	0.07	0.12	9:00	0.09	0.06	7:30	0.18	0	10:30	0.76	0	9:00	0.06	0.08
3:30	0.11	0.24	1:10	0.09	0	1:40	0.19	0.06	11:00	0.77	0.02	1:15	0.09	0.12
4:40	0.14	0.18	2:00	0.12	0.18	4:40	0.19	0	4:30	0.77	0	3:00	0.10	0.04
5:50	0.17	0.18	3:00	0.13	0.06	5:00	0.20	0.60	4:45	0.78	0.30	4:45	0.12	0.08
8:00	0.20	0.18	4:00	0.17	0.24				5:50	0.81	0.36	10:00	0.14	0.08
1:02	0.22	0.60	5:00	0.21	0.24	<i>p. m.</i>			12:00	0.84	0.18	1:15	0.16	0.08
1:05	0.24	0.40	10:00	0.25	0.24	3:35	0.20	0				3:00	0.17	0.04
1:10	0.25	0.12	1:10	0.29	0.24	3:38	0.21	0.20	Feb. 11			4:45	0.17	0
1:16	0.25	0	2:00	0.32	0.18	4:00	0.22	0.30	<i>a. m.</i>			11:00	0.19	0.08
1:17	0.26	0.60	3:00	0.33	0.06	4:50	0.23	0.12	2:10	0.88	0.24			
2:20	0.27	0.20	11:00	0.33	0	5:00	0.24	0.12	2:00	0.93	0.30	12:30	0.19	0
2:22	0.28	0.30	12:00	0.35	0.02	5:55	0.27	0.36	3:00	0.97	0.24	4:45	0.20	0.04
2:40	0.30	0.60	<i>p. m.</i>			6:00	0.30	0.36	4:00	0.99	0.12	4:38	0.20	0
2:50	0.30	0	12:40	0.35	0	1:10	0.32	0.12	4:45	1.00	0.12	4:40	0.21	0.30
3:00	0.30	0	4:20	0.36	0.30	1:15	0.33	0.12	1:05	1.00	0	4:45	0.22	0.12
3:35	0.31	0.12	4:45	0.37	0.20	2:00	0.35	0.24	1:10	1.02	0.24	5:00	0.23	0.12
3:38	0.31	0	5:30	0.37	0	2:25	0.38	0.36				5:55	0.25	0.24
4:00	0.32	0.30	5:55	0.38	0.30	3:00	0.40	0.24	STORM OF FEB. 18			5:00	0.27	0.24
5:00	0.32	0	1:00	0.39	0.12	4:45	0.40	0	Feb. 18			1:15	0.30	0.12
9:00	0.34	0.12	2:00	0.41	0.12	5:00	0.41	0.18	<i>a. m.</i>			3:00	0.32	0.08
1:10	0.35	0.06	2:40	0.42	0.15	5:00	0.44	0.12	6:00	0	0.02	8:40	0.32	0
2:20	0.37	0.12	2:50	0.43	0.60	1:10	0.47	0.18	7:00	0.02	0.02	4:45	0.34	0.24
3:00	0.37	0	3:00	0.43	0.60	2:00	0.48	0.06	8:00	0.04	0.02	9:00	0.39	0.20
4:00	0.39	0.12	3:30	0.45	0.24	2:25	0.50	0.24	9:00	0.04	0	1:15	0.44	0.20
5:00	0.41	0.12	3:35	0.45	0	3:00	0.52	0.24	10:00	0.06	0.02	4:45	0.44	0
5:30	0.41	0	4:00	0.46	0.12	3:35	0.54	0.24	11:00	0.06	0	5:00	0.44	0.20
5:55	0.43	0.60	STORM OF FEB. 9-11			4:00	0.54	0	12:00	0.07	0.01	10:20	0.45	0
10:00	0.46	0.36	Feb. 9			5:00	0.56	0.12	<i>a. m.</i>			3:00	0.46	0.06
1:05	0.47	0.12	<i>p. m.</i>			6:00	0.59	0.18	7:00	0.04	0.02	4:00	0.48	0.12
1:10	0.49	0.24	2:00	0		6:05	0.60	0.12	8:00	0.06	0.02	4:45	0.49	0.12
2:00	0.51	0.12	3:00	0.01	0.01	1:10	0.61	0.12	9:00	0.06	0	5:00	0.52	0.12
3:00	0.52	0.06	4:00	0.02	0.01	1:15	0.61	0	10:00	0.07	0.01	1:15	0.56	0.16
4:00	0.54	0.12	6:00	0.02	0	2:00	0.62	0.12	<i>p. m.</i>			3:00	0.64	0.32
5:00	0.55	0.06	7:00	0.03	0.03	2:25	0.63	0.12	12:30	0.10	0.06	4:45	0.68	0.16
5:58	0.55	0	8:58	0.06	0.09	3:00	0.64	0.12	1:00	0.11	0.02	12:00	0.70	0.08
5:59	0.57	1.20	9:00	0.09	0.09	3:35	0.66	0.24	3:00	0.13	0.04			
11:00	0.60	1.80	10:00	0.09	0.09	4:00	0.66	0	2:40	0.13	0	Mar. 3		
STORM OF FEB. 6			10:58	0.09	0	4:40	0.67	0.15	3:00	0.14	0.03	<i>a. m.</i>		
Feb. 6			9:00	0.11	0.60	4:45	0.68	0.60	3:30	0.15	0.02	12:15	0.74	0.16
<i>a. m.</i>			1:10	0.11	0	5:00	0.68	0	4:00	0.18	0.06	3:00	0.78	0.16
7:00	0		1:15	0.12	0.12	5:10	0.70	0.12	3:30	0.18	0	4:45	0.82	0.16
3:00	0.02	0.04	2:00	0.13	0.12	5:40	0.71	0	5:00	0.19	0.02	1:00	0.86	0.16
			3:30	0.14	0.06	6:00	0.72	0.06	6:00	0.21	0.02	1:15	0.89	0.12
			4:00	0.16	0.12	7:10	0.73	0.06	9:21	0.21	0	3:00	0.92	0.12
									12:22	0.25	2.40	4:45	0.94	0.08
									2:25	0.25	0	2:00	0.95	0.04



TABLE 50.—Rainfall at station 103 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAR. 2-4—Continued			STORM OF MAR. 30—Con.			STORM OF APR. 11-12			STORM OF APR. 11-12—Con.			STORM OF APR. 19-20—Con.		
Mar. 3			Mar. 30			Apr. 11						Apr. 19		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
4:45	0.95	0	8:00	0.16	0	1:00	0	0.06	10:05	1.23	0	8:10	0.45	0.12
:50	.96	.12	:30	.17	.02	:10	.01	.06	:15	1.23	0	:15	.46	.12
:53	.96	0	9:00	.18	.02	:20	.02	.06	:20	1.24	.12	:20	.47	.12
:55	.98	.60	:30	.20	.04	:30	.03	.06	:21	1.25	.60	:25	.49	.24
:56	1.00	1.20	10:00	.21	.02	:40	.05	.12	:25	1.25	0	:30	.51	.24
:59	1.08	1.60	11:00	.21	0	:50	.06	.06	:28	1.25	0	:35	.52	.12
5:00	1.09	.60	:05	.22	.12	2:00	.07	.06	:29	1.27	1.20	:40	.55	.36
:05	1.10	.12	:50	.22	0	:10	.08	.06	:30	1.27	0	:50	.55	0
:20	1.10	0	:55	.23	.12	:24	.08	0	:42	1.27	0	:55	.56	.12
:30	1.11	.06	:57	.25	.60	:25	.09	.60	:43	1.28	.60	9:00	.58	.24
:46	1.11	0	12:00	.25	0	:30	.10	.12	:45	1.28	0	:05	.59	.12
:50	1.12	.15				:40	.12	.12	:52	1.28	0	:10	.60	.12
:55	1.14	.24				:50	.16	.24	:53	1.30	1.20	:15	.60	0
6:00	1.15	.12	<i>p. m.</i>			3:00	.20	.24	:55	1.30	0	:20	.61	.12
:10	1.17	.12	:15	.26	.12	:10	.24	.24	11:10	1.30	0	:25	.63	.24
:20	1.18	.06	:30	.28	.08	:20	.28	.24	:20	1.31	.06	:30	.65	.24
:30	1.19	.06	:45	.31	.12	:30	.33	.30	:30	1.31	0	:35	.66	.12
:40	1.22	.18	1:00	.35	.16	:40	.35	.12	:40	1.32	.06	:40	.67	.12
:50	1.23	.06	:15	.37	.08	:50	.36	.06	:50	1.33	.06	:45	.68	.12
7:00	1.26	.18	:30	.41	.16	4:00	.38	.12	12:00	1.35	.12	:50	.70	.24
9:10	1.26	0	:45	.44	.12	:10	.39	.06				:55	.70	0
:20	1.32	.36	2:00	.45	.04	:20	.40	.06	<i>Apr. 12</i>			10:00	.72	.24
:30	1.35	.18	:15	.47	.08	:30	.41	.06	<i>a. m.</i>			:05	.73	.12
:35	1.38	.36	:30	.49	.08	:40	.42	.06	2:48	1.35	0	:10	.75	.24
:40	1.39	.12	:45	.51	.08	:50	.43	.06	:50	1.37	.60	:15	.78	.36
:50	1.40	.06	3:00	.53	.08	5:00	.44	.06	:55	1.39	.24	:20	.81	.36
:56	1.40	0	:15	.57	.16	:10	.47	.18				:25	.84	.36
:58	1.41	.30	:30	.59	.08	:20	.48	.06	STORM OF APR. 19-20			:30	.88	.48
10:00	1.41	0	:45	.62	.12	:23	.50	.40	<i>Apr. 19</i>			:35	.88	0
:15	1.42	.04	4:00	.64	.08	:25	.50	0	<i>a. m.</i>			:37	.91	.90
:30	1.44	.08	:15	.65	.04	:36	.50	0	11:00	0	0.03	:40	.92	.20
11:10	1.44	0				:40	.51	.15	:20	.01		:42	.92	0
:15	1.45	.12	STORM OF APR. 3			:50	.51	0	:40	.01	0	:44	.95	.90
:30	1.45	0	<i>Apr. 3</i>			6:00	.53	.12	:20	.01		:45	.95	0
:45	1.46	.04	<i>p. m.</i>			:10	.54	.06	:40	.01		:50	.96	.12
			12:15	0	0.60	:20	.56	.12	12:00	.03	.06	:55	.98	.24
Mar. 4			:30	.02	0	:30	.57	.06				11:00	1.00	.24
12:05	1.46	0	:40	.03	.06	:35	.59	.24	<i>p. m.</i>			:05	1.03	.36
:10	1.47	.12	1:30	.02	0	:40	.61	.24	12:20	.05	.06	:10	1.05	.24
:20	1.47	0	:40	.03	.06	:45	.63	.24	:40	.07	.06	:15	1.08	.36
:30	1.48	.06	2:12	.03	0	:50	.64	.12	1:00	.08	.03	:20	1.11	.36
:40	1.49	.06	:15	.05	.60	:55	.65	.12	:10	.09	.06	:25	1.16	.60
4:30	1.49	0	:30	.09	2.40	7:00	.67	.24	:20	.09	0	:30	1.18	.24
:45	1.51	.08	:45	.19	3.00	:05	.69	.24	:30	.10	.06	:35	1.20	.24
5:00	1.51	0	:17	.20	.20	:10	.71	.24	:40	.11	.06	:40	1.21	.12
6:00	1.52	.01	:20	.20	.20	:15	.74	.36	2:40	.11	0	:42	1.22	.30
:15	1.52	0	6:06	.20	0	:20	.76	.24	3:00	.12	.03	:45	1.22	0
:30	1.54	.08	:10	.21	.15	:22	.77	.30	:10	.12	0	:50	1.22	0
						:25	.77	0	:20	.13	.06	:51	1.24	1.20
						:30	.78	.12	:25	.13	0	:55	1.24	0
						:35	.80	.24	:26	.15	1.20			
						:40	.81	.12	:30	.15	0			
						:45	.81	0	:40	.15	0			
						:50	.82	.12	4:00	.16	.03			
						:55	.84	.24	:20	.16	0	<i>a. m.</i>		
						8:00	.84	0	:40	.17	.03	12:50	1.24	0
						:05	.86	.24	:52	.17	0	1:00	1.25	.06
						:10	.88	.24	:55	.18	.20	5:50	1.25	0
						:14	.89	.15	5:00	.18	0	6:00	1.26	.06
						:15	.89	0	:01	.19	.60	:10	1.27	.06
						:20	.89	0	:05	.20	.15	:17	1.27	0
						:22	.90	.30	:10	.21	.12	:20	1.29	.40
						:25	.91	.20	:15	.21	0	:30	1.34	.30
						:30	.93	.24	:20	.22	.12	:40	1.42	.48
						:35	.93	0	:21	.23	.60	:45	1.44	.24
						:40	.94	.12	:25	.23	0	:50	1.45	.12
						:45	.96	.24	:30	.23	0	:55	1.48	.36
						:50	.99	.36	:40	.24	.06	7:00	1.50	.24
						:52	1.01	.60	:45	.25	.12	:05	1.52	.24
						:55	1.01	0	:50	.26	.12	:10	1.54	.24
						:58	1.03	.40	6:00	.26	0	:20	1.55	.06
						9:00	1.03	0	:05	.27	.12	:30	1.56	.06
						:01	1.04	.60	:10	.29	.24	:35	1.59	.36
						:02	1.06	1.20	:20	.29	0	:40	1.60	.12
						:05	1.06	0	:25	.30	.12	:50	1.61	.06
						:10	1.06	0	:30	.31	.12	9:50	1.61	0
						:14	1.07	.15	:42	.31	0	10:00	1.63	.12
						:15	1.09	1.20	:45	.33	.40	:20	1.64	.03
						:20	1.09	0	:50	.33	0	:45	1.64	0
						:25	1.10	.12	:55	.34	.12	:50	1.65	.12
						:30	1.11	.12	7:00	.35	.30	:11:30	1.65	0
						:35	1.12	.12	:57	.36	.20	:40	1.66	.06
						:36	1.14	1.20	:10	.36	0	:42	1.67	.30
						:39	1.14	0	:12	.37	.30	:45	1.67	0
						:40	1.16	1.20	:15	.37	0			
						:46	1.16	0	:25	.37	0	<i>p. m.</i>		
						:48	1.17	.30	:30	.38	.12	12:10	1.67	0
						:50	1.18	.30	:35	.41	.36	:11	1.68	.60
						:52	1.20	.60	:40	.42	.12	:12	1.69	.60
						:55	1.20	0	:50	.42	0	:15	1.69	0
						10:00	1.21	.12	:52	.43	.30	:20	1.70	.03
						:03	1.22	.20	:55	.44	.20	:40	1.71	.03
						:04	1.23	.60	8:05	.44	0		1.74	



TABLE 50.—Rainfall at station 103 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 6			STORM OF MAY 23-24—Con.			STORM OF MAY 23-24—Con.			STORM OF MAY 29-30—Con.			STORM OF JUNE 10		
May 6			May 24			May 24			May 30			June 10		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:37	0		12:58	0.12	0	12:30	1.46	0.30	1:30	0.88	0.06	1:12	0.03	(1)
:38	.04	2.40	:59	.13	.60	:40	1.50	.24	2:10	.88	0	:15	.04	0.20
:39	.13	5.40	1:00	.13	0	:50	1.55	.30	:20	.89	.06	:20	.09	.60
:40	.19	3.60	:40	.13	0	1:00	1.57	.12	:40	.89	0	:25	.16	.84
:41	.31	7.20	:50	.14	.06	:10	1.58	.06	:50	.92	.18	:30	.44	3.36
:42	.36	3.00	:55	.15	.12	2:40	1.58	0	3:00	.92	0	:33	.51	1.40
:43	.41	3.00	2:10	.15	0	:50	1.59	.06	:10	.93	.06	:35	.61	3.00
:45	.41	0	:11	.16	.60	:59	1.59	0	:20	.94	.06	:38	.76	3.00
:50	.42	.12	:15	.17	.15	3:00	1.60	.60	:30	.95	.06	:40	.82	1.80
:52	.44	.60	:22	.17	0	:02	1.67	2.10	:40	.96	.06	:43	.85	.60
:55	.44	0	:25	.18	.20	:05	1.69	.40	4:00	.97	.03	:45	.85	0
7:09	.44	0	:30	.19	.12	:10	1.70	.12	:20	.98	.03	:57	.85	0
:10	.46	1.20	:35	.20	.12	:20	1.72	.12	:25	.98	0	2:00	.90	1.00
:16	.46	0	:40	.21	.12	:30	1.73	.06	3:00	1.00	.24	3:05	.90	0
:20	.47	.15	:43	.21	0	STORM OF MAY 29-30			:40	1.02	.12	:10	.92	.24
:27	.47	0	:45	.22	.30	May 29			:50	1.04	.12	:15	.94	.24
:30	.50	.60	:50	.23	.12	<i>p. m.</i>			5:00	1.06	.12	:20	.96	.24
:32	.55	1.50	3:00	.25	.12	6:35	0		:10	1.06	0	:22	.97	.30
:33	.57	1.20	:10	.27	.12	:36	.03	1.80	:20	1.07	.06	:25	.97	0
:34	.76	11.40	:20	.28	.06	:37	.05	1.20	:30	1.08	.06	5:00	.97	0
:35	.76	0	:25	.29	.12	:39	.12	2.10	:40	1.09	.06	6:00	.98	.01
STORM OF MAY 15			:30	.30	.12	:40	.16	2.40	:40	1.11	.06	7:10	.98	0
May 15			:40	.31	.06	:42	.19	.90	:50	1.12	.03	:12	.99	.30
<i>a. m.</i>			:50	.32	.06	:45	.19	0	6:00	1.12	.03	:15	1.01	.40
11:15	0		:50	.33	.06	:50	.19	0	7:00	1.15	.06	STORM OF JUNE 11		
:20	.01	0.12	:50	.35	.12	:50	.21	.24	:20	1.16	.03	June 11		
:30	.03	.12	:50	.36	.06	9:39	.21	0	:40	1.16	0	<i>a. m.</i>		
:40	.03	0	:50	.38	.12	:40	.23	1.20	:50	1.17	.06	3:47	0	
:50	.04	.06	5:00	.40	.24	:42	.26	.90	8:10	1.17	0	:48	.03	1.80
12:00	.07	.18	:10	.47	0	:45	.28	.40	:20	1.18	.06	:50	.03	0
STORM OF MAY 19			:15	.48	.12	10:03	.31	.36	:40	1.19	.03	4:08	.03	0
May 19			:20	.49	.12	:05	.35	.30	9:00	1.21	.06	:10	.04	.30
<i>p. m.</i>			:50	.49	0	:10	.35	0	:20	1.22	.03	:12	.04	0
12:10	.09	.12	6:02	.50	.12	:15	.36	.12	:40	1.22	.03	:15	.05	.20
:20	.13	.24	:03	.51	.60	:20	.37	.12	:50	1.22	.03	:30	.06	.02
:30	.19	.36	:05	.51	0	:30	.38	.06	June 7	0.12	(1)	7:00	.06	0
:40	.20	.06	:10	.51	0	:40	.41	.18	STORM OF JUNE 8			8:30	.06	0
:50	.22	.12	:20	.52	.06	:50	.42	.06	June 8			9:00	.07	.02
2:00	.23	.06	:30	.53	.06	11:00	.44	.12	<i>p. m.</i>			STORM OF JUNE 12		
:05	.25	.24	:40	.54	.06	May 30			12:20	0		June 12		
:10	.26	.12	:45	.59	.60	<i>a. m.</i>			:22	.05	1.50	<i>p. m.</i>		
STORM OF MAY 23-24			:50	.60		12:40	.44	0	:24	.08	.90	:10	.02	1.20
May 23			:55	.61	.24	1:00	.45	.03	:25	.08	0	:12	.10	2.40
<i>p. m.</i>			:55	.62	.12	:15	.45	0	:25	.08	0	:14	.13	.90
3:30	0		7:00	.64	.24	:20	.50	.60	:25	.08	0	:15	.18	3.00
4:00	.01	0.02	:05	.66	.24	:25	.54	.48	:25	.08	0	:17	.24	1.80
:30	.02	.02	:10	.68	.24	:28	.59	1.00	:30	.08	0	:19	.34	3.00
:40	.03	.06	:20	.72	.24	:30	.60	.30	:35	.08	0	:20	.35	.60
:50	.03	0	:30	.77	.30	:30	.61	.06	:40	.08	0	:31	.35	0
5:00	.04	.06	:40	.80	.18	:40	.61	.06	:40	.11	.36	:32	.38	1.80
:16	.04	0	:50	.89	.54	:50	.65	1.20	:40	.11	.36	:35	.38	0
:17	.06	1.20	8:00	.94	.30	:55	.69	.48	:50	.17	0	:50	.38	0
:20	.06	0	:10	.96	.12	2:00	.69	0	:03	.17	.40	:50	.38	0
:50	.06	0	:20	.97	.06	:02	.69	0	:05	.17	0	:55	.39	.12
6:00	.07	.06	:30	.98	.06	:05	.70	.20	:15	.17	0	STORM OF JUNE 14		
:50	.07	0	:40	.98	0	:05	.70	0	:17	.22	1.50	June 14		
7:00	.09	.12	:50	.99	.06	4:50	.70	0	:20	.23	.20	June 14		
:50	.09	0	9:06	.99	0	5:00	.71	.06	:22	.26	.90	June 14		
10:50	.09	0	:10	1.01	.30	:30	.71	0	:25	.26	0	June 14		
11:00	.10	.06	:20	1.02	.06	6:00	.72	.02	STORM OF JUNE 9			STORM OF JUNE 10		
:40	.10	0	:30	1.05	.18	:22	.72	0	June 9			June 10		
12:00	.11	.03	:40	1.06	.06	:25	.73	.20	<i>p. m.</i>			June 10		
STORM OF MAY 29-30			:50	1.07	.06	:30	.73	0	1:23	0		June 10		
May 29			:55	1.08	.12	:35	.74	.06	:25	.04	1.20	June 10		
<i>p. m.</i>			10:00	1.11	.36	:40	.75	.12	:29	.08	.60	June 10		
3:30	0		:05	1.13	.24	:40	.76	.06	:30	.08	0	June 10		
4:00	.01	0.02	:10	1.17	1.20	:50	.76	0	:35	.11	.36	June 10		
:30	.02	.02	:20	1.20	.60	8:10	.76	0	<i>a. m.</i>			June 10		
:40	.03	.06	:30	1.22	.12	:15	.77	.12	1:23	0		June 10		
:50	.03	0	:40	1.25	.18	:20	.77	0	:25	.04	1.20	June 10		
5:00	.04	.06	:50	1.27	.12	:30	.78	.06	:29	.08	.60	June 10		
:16	.04	0	:50	1.29	.12	:40	.78	0	:30	.08	0	June 10		
:17	.06	1.20	11:00	1.31	.12	:50	.80	.12	:35	.11	.36	June 10		
:20	.06	0	:05	1.31	0	9:00	.80	0	<i>p. m.</i>			June 10		
:50	.06	0	:10	1.34	.36	:22	.83	.12	3:52	0		June 10		
6:00	.07	.06	:20	1.35	.06	:25	.83	0	:53	.02	1.20	June 10		
:50	.07	0	:30	1.36	.06	:30	.84	.12	:55	.05	.90	June 10		
7:00	.09	.12	:40	1.36	0	:35	.85	.12	:58	.06	.20	June 10		
:50	.09	0	:50	1.37	.06	10:50	.83	0	4:00	.09	.90	June 10		
10:50	.09	0	12:00	1.38	.06	:40	.85	0	:02	.10	.30	June 10		
11:00	.10	.06	STORM OF MAY 23-24			:40	.86	.06	:05	.12	.40	June 10		
:40	.10	0	May 23			STORM OF JUNE 9			10:35	.12	0	June 10		
12:00	.11	.03	<i>a. m.</i>			June 9			:38	.14	.40	June 10		
STORM OF MAY 29-30			12:50	.11	0	<i>a. m.</i>			:40	.15	.30	June 10		
May 29			:55	.12	.12	1:23	0		:50	.16	.06	June 10		
<i>p. m.</i>			STORM OF MAY 23-24			:29	.08	.60	11:00	.18	.12	June 10		
3:30	0		May 23			:30	.08	0	STORM OF JUNE 10			STORM OF JUNE 11		
4:00	.01	0.02	<i>a. m.</i>			:35	.11	.36	June 10			June 11		
:30	.02	.02	12:50	.11	0	June 9			June 10			June 11		
:40	.03	.06	:55	.12	.12	<i>p. m.</i>			June 10			June 11		
:50	.03	0	STORM OF MAY 29-30			3:52	0							



TABLE 50.—Rainfall at station 103 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 18			STORM OF JUNE 28			STORM OF JUNE 30-JULY 1—Continued			STORM OF JULY 26—Con.			STORM OF AUG. 25-26—Con					
June 18			June 28			July 1			July 26			a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
7:10.....	0		7:42.....	0		12:50.....	0.53	0.24	11:40.....	0.02	0.12	12:15.....			12:15.....	0.18	0.30
:30.....	.01	0.03	:45.....	.27	5.40	:55.....	.55	.24	:42.....	.03	.30	:20.....			:20.....	.28	1.20
:45.....	.02	.04	:46.....	.39	7.20	1:30.....	.55	0	:44.....	.05	.60	:22.....			:22.....	.29	.30
8:00.....	.03	.04	:48.....	.58	5.70	:35.....	.58	.36	:45.....	.05	0	6:38.....			6:38.....	.29	0
:10.....	.05	.12	:50.....	.61	.90	2:05.....	.58	0	:49.....	.05	0	:50.....			:50.....	.31	.10
:20.....	.07	.12	:52.....	.68	2.10	:10.....	.60	.24	:50.....	.10	3.00	9:35.....			9:35.....	.31	0
:30.....	.10	.18	:54.....	.73	1.50				:53.....	.12	.40	:38.....			:38.....	.32	.20
:54.....	.10	0	:55.....	.81	4.80				:55.....	.14	.60						
:57.....	.14	.80	:58.....	.87	1.20				:57.....	.21	2.10						
9:00.....	.14	0	8:00.....	.88	.30	STORM OF JULY 11			:58.....	.40	11.40	STORM OF AUG. 27					
:10.....	.17	.18	:02.....	.89	.30	July 11			:59.....	.58	10.80	Aug. 27			a. m.		
:20.....	.18	.06	:05.....	.90	.20	p. m.			12:00.....	.58	0	12:44.....			12:44.....	0	
:25.....	.19	.12	:08.....	.90	0	4:35.....	0		:05.....	.60	.20	:50.....			:50.....	.10	1.00
:26.....	.22	1.80	:10.....	.98	2.40	:40.....	.02	0.24				:55.....			:55.....	.15	.60
:30.....	.22	0	:12.....	1.08	3.00	:59.....	.02	0	STORM OF AUG. 14			1:00.....			1:00.....	.16	.12
:40.....	.25	.18	:15.....	1.08	0	5:00.....	.06	2.40	Aug. 14			:15.....			:15.....	.16	0
10:15.....	.25	0	:54.....	1.08	0	:01.....	.08	1.20	a. m.			:20.....			:20.....	.21	.60
:16.....	.29	2.40	:55.....	1.09	.60	:05.....	.08	0	2:17.....	0		:23.....			:23.....	.27	1.20
:20.....	.29	0	:56.....	1.12	1.80	:06.....	.15	4.20	:26.....	.05	0.33	:25.....			:25.....	.28	.30
11:00.....	.30	.02	:59.....	1.30	3.60	:09.....	.19	.80	p. m.			:30.....			:30.....	.28	0
:05.....	.30	0	9:00.....	1.34	2.40	:10.....	.31	7.20	1:35.....	0		:34.....			:34.....	.28	0
:10.....	.34	.48	:02.....	1.44	3.00	:11.....	.33	1.20	:40.....	.01	.12	:37.....			:37.....	.37	1.80
:15.....	.34	0	:05.....	1.49	1.00	:15.....	.33	0	:50.....	.02	.06	:40.....			:40.....	.41	.80
:20.....	.42	.96	:07.....	1.55	1.80	:16.....	.33	0	2:00.....	.02	0	:44.....			:44.....	.42	.12
:30.....	.43	.06	:09.....	1.66	3.30	:17.....	.35	1.20	:03.....	.08	1.20	STORM OF AUG. 29-30					
p. m.			:10.....	1.66	0	:20.....	.35	0	:07.....	.15	1.05	Aug. 29			Aug. 29		
3:36.....	0		:14.....	1.66	0	:22.....	.41	1.80	:11.....	.18	.60	p. m.			3:20.....	0	
:40.....	.04	.60	:15.....	1.69	1.80	:25.....	.41	0	:16.....	.33	1.80	:28.....			:28.....	.09	0.68
:45.....	.30	3.12	:16.....	1.71	1.20	:03.....	.42	.20	:20.....	.33	0	:31.....			:31.....	.19	2.00
:50.....	.60	3.60	:20.....	1.72	.15	:05.....	.42	0	:27.....	.33	0	:35.....			:35.....	.22	.44
:52.....	.65	1.50	:25.....	1.73	.12	6:00.....	.41	0	:30.....	.35	.40	:40.....			:40.....	.24	.24
:55.....	.81	3.20	:30.....	1.74	.12	:03.....	.42	.20	:34.....	.37	.04	:40.....			:40.....	.24	0
:56.....	.82	.60	:35.....	1.76	.24	:05.....	.42	0	:40.....	.37	0	:40.....			:40.....	.25	.03
:58.....	.90	2.40	:40.....	1.76	0				4:00.....	.37	.01	:40.....			:40.....	.25	0
4:00.....	.92	.60	:50.....	1.78	.12	STORM OF JULY 22			5:00.....	.38	.01	:40.....			:40.....	.29	.60
:02.....	.93	.30	10:00.....	1.81	.18	July 22			6:00.....	.41	0	:40.....			:40.....	.30	.80
:05.....	.94	.20	:10.....	1.84	.18	p. m.			:20.....	.42	.03	:40.....			:40.....	.31	.03
:10.....	.99	.60	STORM OF JUNE 30-JULY 1			3:03 <sup>2</sup> .....	0		:27.....	.33	0	:40.....			:40.....	.31	.03
:20.....	1.00	.06	June 30			:04.....	.01	.60	:30.....	.35	.40	:40.....			:40.....	.31	.03
:30.....	1.01	.06	p. m.			:05.....	.14	7.80	:34.....	.37	.04	:40.....			:40.....	.31	.03
:43.....	1.01	0	5:30.....	0		:07.....	.51	11.10	:40.....	.40	0	:40.....			:40.....	.31	.03
:45.....	1.02	.30	:40.....	.01	0.06	:09.....	.59	2.40	:40.....	.41	.06	:40.....			:40.....	.31	.03
STORM OF JUNE 23			:50.....	.02	.06	:10.....	.62	1.80	:40.....	.41	0	:40.....			:40.....	.31	.03
June 23			:50.....	.02	.06	:14.....	.62	0	:40.....	.41	0	:40.....			:40.....	.31	.03
p. m.			6:00.....	.04	.12	:24.....	.62	0	:40.....	.41	0	:40.....			:40.....	.31	.03
8:23.....	0		:30.....	.04	0	:25.....	.66	2.40	:40.....	.41	0	:40.....			:40.....	.31	.03
:25.....	.20	6.00	:40.....	.06	.12	:26.....	.71	3.00	:40.....	.41	0	:40.....			:40.....	.31	.03
:26.....	.28	4.80	:45.....	.08	.24	:30.....	.71	0	:40.....	.41	0	:40.....			:40.....	.31	.03
:28.....	.41	3.90	7:20.....	.08	0	:50.....	.71	0	:40.....	.41	0	:40.....			:40.....	.31	.03
:30.....	.56	4.50	:22.....	.11	.90	:55.....	.72	.12	:40.....	.41	0	:40.....			:40.....	.31	.03
:31.....	.62	3.60	:25.....	.12	.20	:56.....	.76	2.40	:40.....	.41	0	:40.....			:40.....	.31	.03
:35.....	.68	.90	9:42.....	0		4:00.....	.76	0	:40.....	.41	0	:40.....			:40.....	.31	.03
:40.....	.70	.24	:45.....	.02	.40	6:22.....	.76	0	:40.....	.41	0	:40.....			:40.....	.31	.03
:43.....	.72	.40	:57.....	.02	0	:23.....	.82	3.60	:40.....	.41	0	:40.....			:40.....	.31	.03
:45.....	.72	0	:59.....	.05	.90	:25.....	.86	1.20	:40.....	.41	0	:40.....			:40.....	.31	.03
:50.....	.73	.12	10:00.....	.06	.60	:30.....	.90	.48	:40.....	.41	0	:40.....			:40.....	.31	.03
9:00.....	.74	.06	:05.....	.06	0	:35.....	.93	.36	:40.....	.41	0	:40.....			:40.....	.31	.03
:10.....	.77	.18	:10.....	.07	.12	:39.....	.96	.45	:40.....	.41	0	:40.....			:40.....	.31	.03
:20.....	.80	.18	:25.....	.07	0	:40.....	1.21		:40.....	.41	0	:40.....			:40.....	.31	.03
:30.....	.84	.24	:30.....	.09	.24	STORM OF JULY 23			:40.....	.41	0	:40.....			:40.....	.31	.03
:40.....	.87	.18	:35.....	.13	.48	July 23			:40.....	.41	0	:40.....			:40.....	.31	.03
:50.....	.88	.06	:40.....	.13	0	1.05	( <sup>1</sup> )		:40.....	.41	0	:40.....			:40.....	.31	.03
STORM OF JUNE 25			:45.....	.14	.12	STORM OF JULY 24			:40.....	.41	0	:40.....			:40.....	.31	.03
June 25			:50.....	.16	.24	July 24			:40.....	.41	0	:40.....			:40.....	.31	.03
p. m.			:55.....	.19	.36	p. m.			:40.....	.41	0	:40.....			:40.....	.31	.03
6:45.....	0		11:00.....	.21	.24	1:46.....	0		:40.....	.41	0	:40.....			:40.....	.31	.03
:50.....	.01	0.12	:05.....	.22	.12	:47.....	.02	1.20	:40.....	.41	0	:40.....			:40.....	.31	.03
:55.....	.03	.24	:08.....	.25	.60	:48.....	.16	8.40	:40.....	.41	0	:40.....			:40.....	.31	.03
7:05.....	.03	0	:10.....	.25	0	:50.....	.18	.60	:40.....	.41	0	:40.....			:40.....	.31	.03
:10.....	.14	1.32	:17.....	.25	0	:53.....	.19	.20	:40.....	.41	0	:40.....			:40.....	.31	.03
:15.....	.20	.72	:20.....	.27	.40	:55.....	.19	0	:40.....	.41	0	:40.....			:40.....	.31	.03
10:10.....	.20	0	:30.....	.34	.42	STORM OF JULY 26			:40.....	.41	0	:40.....			:40.....	.31	.03
:15.....	.21	.12	:40.....	.39	.30	July 26			:40.....	.41	0	:40.....			:40.....	.31	.03
:20.....	.24	.36	:50.....	.43	.24	a. m.			:40.....	.41	0	:40.....			:40.....	.31	.03
STORM OF JUNE 26			12:00.....	.46	.18	11:30.....	0		:40.....	.41	0	:40.....			:40.....	.31	.03
June 26			July 1			:35.....	.01	0.12	:40.....	.41	0	:40.....			:40.....	.31	.03
p. m.			a. m.			STORM OF JULY 27			:40.....	.41	0	:40.....			:40.....	.31	.03
12:15.....	0		12:02.....	.46	0	July 27			:40.....	.41	0	:40.....			:40.....	.31	.03
:20.....	.07	0.84	:05.....	.47	.20	a. m.			:40.....	.41	0	:40.....			:40.....	.31	.03
:30.....	.07	0	:10.....	.48	.12	12:08.....	.13	0	:40.....	.41	0	:40.....			:40.....	.31	.03
:40.....	.11	.08	:20.....	.49	.06	:10.....	.15	.60	:40.....	.41	0	:40.....			:40.....	.31	.03
2:00.....	.14	.06	:30.....	.49	0	STORM OF JULY 28			:40.....	.41	0	:40.....			:40.....	.31	.03
			:40.....	.51	.12	July 28			:40.....	.41	0	:40.....			:40.....	.31	.03
			:45.....	.51	0	a. m.			:40.....	.41	0	:40.....			:40.....	.31	.03

<sup>1</sup> No intensity record.  
<sup>2</sup> Time estimated.



TABLE 50.—*Rainfall at station 103 for selected storms, 1940—Continued*[illegible]



TABLE 51.—*Rainfall at station 107 for selected storms, 1940*

[illegible]



TABLE 51.—*Rainfall at station 107 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 19-20			STORM OF MAY 15			STORM OF MAY 23-24 Continued			STORM OF MAY 29-30—Con.			STORM OF JUNE 8-9		
Apr. 19			May 15			May 24			May 30			June 8		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
5:00	0		11:00	0		6:30	0.74	0.24	1:30	0.57	0.48	2:48	0	
6:00	.02	0.02	.15	.02	0.08	.40	.78	.24	.45	.58	.04	.50	.02	0.60
.30	.04	.04	.30	.05	.12	.50	.87	.54	.53	.58	0	4:14	.02	0
.70	.05	.02	.45	.07	.08	7:00	.92	.30	.55	.62	1.20	.15	.04	1.20
10:20	.05	0	12:00	.09	.08	.10	.95	.18	2:03	.62	0	.20	.08	.48
.40	.06	.03				.20	.97	.12	.40	.63	.30	7:10	.08	0
11:00	.08	.06	p. m.			.30	.98	.6	4:00	.63	0	.20	.09	.06
.20	.09	.03	12:15	.12	.12	.40	.99	.6	.30	.64	.02			
.40	.11	.06	.30	.19	.28	8:10	.99	0	5:00	.65	.02	June 9		
12:00	.15	.12	.45	.21	.08	.20	1.00	.06	.30	.66	.02	a. m.		
p. m.			1:00	.21	0	.30	1.01	.06	6:00	.67	.02	1:25	.09	0
12:20	.19	.12	.30	.22	.02	.40	1.03	.12	.15	.67	0	.35	.17	.96
.40	.22	.09	2:00	.22	0	.50	1.04	.06	.30	.68	.04	.35	.19	.24
1:00	.23	.03	.10	.23	.06	9:00	1.06	.12	.45	.69	.04			
.20	.24	.03	.30	.24	.06	.05	1.08	.24	7:35	.69	0	p. m.		
.40	.26	.06				.09	1.09	.15	.40	.71	.24	3:50	.19	0
2:40	.26	0	STORM OF MAY 19			.10	1.12	1.80	.45	.72	.12	.52	.20	.30
3:00	.27	.03				.12	1.15	.90	.50	.73	.12	.55	.23	.60
.20	.28	.03	May 19			.15	1.18	.60	8:15	.73	0	4:00	.27	.48
.40	.29	.03	p. m.			.30	1.21	.12	.30	.74	.04	.05	.32	.60
4:00	.31	.06	1:17	0		.45	1.24	.12	.45	.75	.04	10:30	.32	0
.20	.32	.03	.10	.04	0.80	10:00	1.27	.12	9:00	.76	.04	.40	.35	.18
.40	.33	.03	2:35	.04	0	.15	1.30	.12	.15	.78	.08	.50	.38	.18
5:00	.36	.09	.40	.05	.12	.30	1.31	.04	.30	.79	.04	11:00	.40	.12
.20	.40	.12	.52	.05	0	.45	1.32	.04	10:00	.80	.02	.10	.41	.06
.40	.44	.12	.55	.10	3.00	11:00	1.34	.08	.30	.81	.02	.20	.42	.06
6:00	.47	.09	.30	.13	.90	.15	1.36	.08	.50	.81	0			
.20	.50	.09	3:00	.14	.12	.20	1.36	0	11:00	.83	.12	STORM OF JUNE 10-11		
.40	.53	.09	.10	.16	.24	.23	1.37	.20	.10	.84	.06	June 10		
7:00	.57	.12	.30	.19	.18	.25	1.38	.30	.20	.85	.06	1:10	0	
.20	.60	.09	.45	.20	.04	.30	1.41	.36				p. m.		
.40	.64	.12				.45	1.46	.20	1:00	.85	0	.15	.01	0.12
8:00	.66	.06				12:00	1.52	.24	.30	.86	.02	.17	.04	.90
.20	.70	.12				p. m.			.45	.86	0	.20	.05	.20
.40	.76	.18				12:15	1.54	.08	.30	.87	.04	.23	.06	.20
9:00	.81	.15				.30	1.54	0	.45	.87	.04	.25	.10	1.20
.40	.85	.12				1:00	1.55	.02	3:00	.88	.04	.28	.21	2.20
.20	.90	.15				.30	1.55	0	.05	.89	.12	.30	.28	2.10
10:00	.96	.18				.45	1.56	.04	.30	.91	1.20	.35	.37	1.08
.20	1.06	.30				2:03	1.56	0	.20	.91	0	.40	.52	1.80
.40	1.18	.36				.04	1.58	1.20	.30	.92	.06	.42	.55	.90
11:00	1.29	.33				.05	1.59	.60	.40	.93	.06	.45	.57	.40
.20	1.42	.39				.10	1.63	.48	.50	.94	.06	.50	.58	.12
.40	1.53	.33				.20	1.65	.12	4:00	.95	.06	.52	.59	.12
12:00	1.56	.09				.30	1.66	.06	.15	.97	.08	.55	.60	.15
Apr. 20									.30	.99	.08	.60	.63	1.80
a. m.						STORM OF MAY 23-24			.40	1.03	.24	.63	.63	0
12:20	1.58	.06				May 23			.50	1.04	.06	.64	.64	.12
1:00	1.58	0				p. m.			5:00	1.06	.12	.65	.65	.12
.20	1.60	.06				1:30	0		.15	1.08	.08	.67	.67	.24
5:40	1.60	0				.45	.01	0.04	.30	1.09	.04	.71	.71	.48
6:00	1.62	.06				2:30	.01	0	.40	1.09	.04	.73	.73	.40
.20	1.63	.03				3:00	.03	.04	.50	1.06	.12	.74	.74	.12
.30	1.66	.18				.30	.04	.02	.15	1.08	.08	.75	.75	.06
.40	1.74	.48				4:00	.05	.02	.30	1.09	.04			
.50	1.82	.48				.30	.06	.02	.45	1.12	.12	June 11		
7:09	1.86	.24				5:00	.08	.04	.30	1.13	.04	a. m.		
.10	1.91	.30				.45	.08	0	.40	1.13	.04	3:52	.75	0
.20	1.95	.24				6:00	.09	.04	.50	1.15	.08	.55	.77	.40
.30	1.95	0				10:00	.09	0	5:00	1.16	.04	.57	.77	0
.40	1.98	.18				11:00	.11	.02	.15	1.18	.08	.80	.80	.36
.50	2.01	.18				12:00	.12	.01	.30	1.19	.04			
2:13						May 24			.40	1.20	.02			
STORM OF MAY 6						a. m.			.50	1.21	.02			
May 6						12:30	.13	.02	.30	1.23	.04			
p. m.						1:00	.14	.02	.40	1.25	.04			
6:35	0					.15	.16	.08	.50	1.27	.04			
.36	.01	0.60				.20	.16	.16	.30	1.27	0			
.40	.20	2.85				.30	.20	.08	.40	1.27	.01			
.44	.29	1.35				.45	.22	.08	.50	1.28	.01			
.45	.33	2.40				.50	.25	.12	12:00	1.29	.01			
.47	.44	3.30				.55	.29	.18						
.50	.51	1.40				.60	.31	.24						
.52	.57	1.80				.65	.32	.12						
.55	.60	.60				.70	.35	.06						
.60	.61	.12				.75	.37	.06						
.61	.61	0				.80	.41	.12						
.64	.64	.36				.85	.44	.15						
.65	.65	.06				.90	.45	.15						
STORM OF MAY 23-24						.95	.45	.15						
May 23						.98	.45	.15						
p. m.						.99	.45	.15						
1:30	0					.99	.45	.15						
.45	.01	0.04				.99	.45	.15						
.45	.01	0				.99	.45	.15						
2:30	.03	.04				.99	.45	.15						
.30	.04	.02				.99	.45	.15						
.40	.05	.02				.99	.45	.15						
.30	.06	.02				.99	.45	.15						
5:00	.08	.04				.99	.45	.15						
.45	.08	0				.99	.45	.15						
6:00	.09	.04				.99	.45	.15						
10:00	.09	0				.99	.45	.15						
11:00	.11	.02				.99	.45	.15						
12:00	.12	.01				.99	.45	.15						
May 24						.99	.45	.15						
a. m.						.99	.45	.15						
12:30	.13	.02				.99	.45	.15						
1:00	.14	.02				.99	.45	.15						
.15	.16	.08				.99	.45	.15						
.30	.20	.16				.99	.45	.15						
.45	.22	.08				.99	.45	.15						
2:00	.25	.12				.99	.45	.15						
.15	.27	.08				.99	.45	.15						
.30	.29	.08				.99	.45	.15						
.45	.31	.08				.99	.45	.15						
3:00	.32	.04				.99	.45	.15						
.15	.35	.12				.99	.45	.15						
.30	.37	.08				.99	.45	.15						
.45	.41	.16				.99	.45	.15						
4:00	.45	.16				.99	.45	.15						
.15	.46	.04				.99	.45	.15						
.30	.47	.04				.99	.45	.15						
.45	.48	.04				.99	.45	.15						
5:00	.49	.04				.99	.45	.15						
.15	.52	.12				.99	.45	.15						
.30	.53	.04				.99	.45	.15						
.40	.54	.06				.99	.45	.15						
.50	.59	.30				.99	.45	.15						
6:00	.63	.24				.99	.45	.15						
.15	.68	.20				.99	.45	.15						
STORM OF MAY 29-30						.99	.45	.15						
May 29						.99	.45	.15						
p. m.						.99	.45	.15						
5:15	0					.99	.45	.15						
.30	.01	0.04				.99	.45	.15						
.45	.02	.04				.99	.45	.15						



TABLE 51.—Rainfall at station 107 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 12			STORM OF JUNE 23—Con.			STORM OF JUNE 30-JULY 1			STORM OF JULY 22			STORM OF JULY 26—Con.		
June 12			June 23			June 30			July 22			July 26		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
12:10	0		9:05	0.65	0	3:40	0		2:57	0		7:53	0.21	0.20
:12	.03	0.90	:10	.68	.36	4:00	.01	0.03	3:00	.07	1.40	:55	.24	.90
:13	.09	1.80	:20	.71	.18	:20	.02	.03	:02	.11	1.20	8:00	.25	.12
:15	.10	.30	:30	.74	.18	5:00	.02	0	:05	.14	.60	:01	.30	3.00
:17	.15	1.50	:40	.78	.24	:20	.03	.03	:10	.28	1.68	:05	.34	.60
:19	.20	1.50	:50	.81	.18	:35	.03	0	:15	.40	1.44	:09	.44	1.50
:20	.24	2.40	10:00	.82	.06	:39	.04	.15	:20	.51	1.32	:10	.44	0
:21	.26	1.20	:10	.83	.06	:40	.05	.60	:25	.61	1.20	:26	.44	0
:25	.27	.15				:50	.06	.06	:30	.64	.36	:30	.48	.60
:30	.27	0	STORM OF JUNE 25-26			6:00	.06	0	:35	.66	.24			
:35	.29	.24	June 25			:10	.08	.12	:40	.68	.24	STORM OF AUG. 14		
8:57	.29	0				:25	.08	0	5:15	.68	0	Aug. 14		
9:00	.42	2.60				:30	.09	.12	:20	.77	1.08	p. m.		
:02	.49	2.10				:40	.11	.12	:25	.78	.12	1:32	0	
:04	.50	.30				:50	.13	.12	:50	.78	0	:36	.12	1.80
:05	.52	1.20				7:00	.13	0	6:00	.80	.12	:40	.14	.30
:07	.53	.30				:20	.14	.03	:40	.80	0	:42	.15	.30
:10	.54	.20				:35	.15	0	7:00	.81	.03	:58	.15	0
:17	.54	0				:40	.16	.12	8:34	.81	0	2:00	.23	2.40
:20	.56	.40				:50	.17	.06	:35	.82	.60	:02	.34	3.30
:25	.57	.12				9:42	.17	0	:40	.85	.36	:04	.38	1.20
STORM OF JUNE 18			STORM OF JUNE 25-26			STORM OF JULY 23			STORM OF JULY 24			STORM OF JULY 26		
June 18			June 25			July 23			July 24			July 26		
a. m.			p. m.			p. m.			p. m.			p. m.		
7:46	0		12:18	0		12:17	0		8:40	0		5:12	0	
:50	.01	0.15	:20	.02	.60	:20	.09	1.08	:45	.13	1.00	:20	.06	.45
:55	.04	.36	:22	.05	.90	:25	.24	1.80	:50	.14	.30	:24	.06	0
8:00	.07	.36	:25	.08	.60	:30	.29	.60	:55	.15	.60	:30	.07	.10
:10	.09	.12	:30	.10	.24	:35	.33	.24	7:33	.17	.60	:34	.08	.02
:20	.12	.18	:45	.10	0	11:00	.34	.12	:40	.23	.72	:40	.10	.10
:30	.14	.12	:50	.11	.12	:05	.35	.12	:43	.28	1.00	:56	.11	.18
:46	.14	0	1:00	.11	0	:10	.39	0	:45	.30	3.60			
:47	.18	2.40	:01	.12	.60	:20	.40	.20	:47	.54	4.20	STORM OF AUG. 18		
9:05	.18	0	:05	.13	.12	:30	.45	.30	:50	.66	2.40	Aug. 18		
:10	.19	.12	:10	.13	0	:40	.51	.36	:55	.78	1.44	p. m.		
:20	.20	.06	:20	.14	.03	:50	.55	.24	:58	.81	.60	5:52	0	
:30	.22	.12	2:00	.15	.03	12:00	.56	.06	8:00	.83	.60	:58	.10	1.00
:35	.22	0	STORM OF JUNE 28			STORM OF JULY 11			STORM OF JULY 26			:14	.14	1.20
:40	.24	.24	June 28			July 11			STORM OF JULY 27			:03	.17	.60
10:12	.24	0	a. m.			p. m.			STORM OF JULY 28			:09	.18	.10
:15	.25	.20	7:41	0		5:02	0		STORM OF JULY 29			:12	.26	1.60
:20	.27	.24	:44	.12	2.40	:05	.07	1.40	STORM OF JULY 30			:14	.36	3.00
:30	.29	.12	:45	.17	3.00	:10	.13	.90	STORM OF JULY 31			:16	.46	3.00
11:06	.29	0	:46	.24	4.20	:15	.15	.24	STORM OF AUG. 1			:18	.48	.60
:10	.32	.45	:48	.41	5.10	:20	.18	.90	STORM OF AUG. 2			:23	.53	.60
:15	.34	.24	:50	.44	.90	:25	.21	.20	STORM OF AUG. 3			:28	.62	1.08
:16	.34	0	:53	.50	1.20	:30	.27	1.50	STORM OF AUG. 4			:30	.64	.60
:20	.41	1.05	:55	.58	2.40	:35	.35	.96	STORM OF AUG. 5			:40	.65	.06
:22	.43	.60	:58	.69	2.20	:40	.38	.36	STORM OF AUG. 6			:45	.66	.03
:25	.43	0	8:03	.69	0	:45	.41	.36	STORM OF AUG. 7			7:00	.66	.03
:28	.44	.20	:05	.73	1.20	:50	.43	.36	STORM OF AUG. 8			8:00	.67	.01
:30	.45	.30	:09	.74	.15	:55	.44	.36	STORM OF AUG. 9			9:00	.68	.01
STORM OF JUNE 23			:10	.78	2.40	1:00	.46	.36	STORM OF AUG. 10					
June 23			:15	.95	1.56	:05	.47	.36	STORM OF AUG. 11					
p. m.			:30	.95	0	:10	.48	.36	STORM OF AUG. 12					
8:28	0		:35	.96	.12	:15	.49	.36	STORM OF AUG. 13					
:30	.08	2.40	:56	.96	0	:20	.50	.36	STORM OF AUG. 14					
:35	.39	3.72	:58	.97	.30	:25	.51	.36	STORM OF AUG. 15					
:38	.54	3.00	9:00	1.07	3.00	:30	.52	.36	STORM OF AUG. 16					
:40	.57	.90	:02	1.16	2.70	:35	.53	.36	STORM OF AUG. 17					
:42	.60	.90	:05	1.24	1.60	:40	.54	.36	STORM OF AUG. 18					
:45	.61	.20	:06	1.26	1.20	:45	.55	.36	STORM OF AUG. 19					
:50	.63	.24	:09	1.28	.40	:50	.56	.36	STORM OF AUG. 20					
9:00	.65	.12	:10	1.31	1.80	:55	.57	.36	STORM OF AUG. 21					
STORM OF JUNE 23			:11	1.39	4.80	6:00	.58	.36	STORM OF AUG. 22					
June 23			:13	1.44	1.50	:15	.59	.36	STORM OF AUG. 23					
p. m.			:15	1.47	.90	:20	.60	.36	STORM OF AUG. 24					
8:28	0		:18	1.47	0	:25	.61	.36	STORM OF AUG. 25					
:30	.08	2.40	:20	1.50	.90	:30	.62	.36	STORM OF AUG. 26					
:35	.39	3.72	:25	1.52	.24	:35	.63	.36	STORM OF AUG. 27					
:38	.54	3.00	:30	1.53	.12	:40	.64	.36	STORM OF AUG. 28					
:40	.57	.90	:40	1.56	.18	:45	.65	.36	STORM OF AUG. 29					
:42	.60	.90	:50	1.58	.12	:50	.66	.36	STORM OF AUG. 30					
:45	.61	.20	10:00	1.60	.12	:55	.67	.36	STORM OF SEP. 1					
:50	.63	.24	:10	1.63	.18				STORM OF SEP. 2					
9:00	.65	.12	:20	1.64	.06				STORM OF SEP. 3					



TABLE 51.—Rainfall at station 107 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 25-26—Con.			STORM OF AUG. 29			STORM OF SEPT. 9-10			STORM OF NOV. 1—Con.			STORM OF NOV. 10-11—Con.		
Aug. 26			Aug. 29			Sept. 9			Nov. 1			Nov. 11		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
12:06	0.29	0	3:00	0		11:39	0		8:35	0.18	0.50	7:00	0.52	0.02
10	.34	.75	20	.12	0.36	12:00	.05	0.14	38	.22	.80	17	.57	.18
14	.36	.30	22	.13	.30				43	.30	.96	47	.58	.02
16	.43	2.10	24	.21	2.40	Sept. 10			55	.34	.20	8:00	.59	.05
18	.51	2.40	26	.24	.90	a. m.			9:00	.35	.12	17	.60	.04
20	.60	2.70	28	.28	.12	12:15	.08	.12	30	.42	.14	27	.62	.12
21	.67	4.20	32	.29	.15	27	.11	.15	10:00	.46	.08	37	.68	.36
23	.69	.60	4:00	.31	.04	39	.13	.10	30	.56	.20	43	.72	.40
6:38	0		19	.32	.03	1:00	.15	.06	11:00	.66	.20	47	.76	.60
50	.03	.15	23	.37	.75	15	.17	.08	05	.68	.24	9:00	.81	.23
7:00	.04	.06	57	.38	.02	35	.18	.03	09	.72	.60	0:00	.86	.05
15	.05	.04	5:00	.39	.20	45	.23	.30	15	.74	.20	30	.90	.08
STORM OF AUG. 27			07	.39	0	55	.26	.18	20	.75	.12	11:00	.94	.08
Aug. 27			09	.40	.30	2:00	.27	.12	23	.78	.60	12:00	.96	.02
a. m.			13	.42	.30	20	.31	.12	32	.79	.07			
12:30	0		17	.44	.30	3:00	.35	.06	40	.84	.38	p. m.		
40	.05	0.30	21	.45	.15	37	.37	.03	55	.86	.08	1:00	.98	.02
43	.10	1.00	31	.47	.12				12:00	.86		2:00	.99	.01
46	.21	2.20	41	.53	.36	STORM OF SEPT. 24-25								
50	.26	.75	51	.55	.12	Sept. 24								
1:00	.27	.06	6:00	.58	.20	a. m.								
12	.28	.05	20	.59	.03	7:46	0							
15	.33	1.00	30	.61	.12	52	.03	0.30						
19	.34	.15	34	.63	.30	8:00	.06	.23						
21	.37	.09	40	.67	.40	11:02	.06	0						
31	.39	.12	50	.69	.12	22	.09	.09						
33	.44	1.50	7:00	.71	.12	50	.11	.04						
35	.49	1.50	8:00	.73	.02									
40	.50	.12												
STORM OF AUG. 30														
8:32	0		Aug. 30											
38	.10	1.00	a. m.											
9:00	.11	.03	12:40	0										
04	.12	.15	1:00	.01	0.03									
10	.17	.50	2:00	.03	.02									
20	.19	.12	3:00	.08	.05									
24	.25	.90	4:00	.10	.02									
28	.28	.45	5:00	.12	.02									
34	.38	1.00	6:00	.15	.03									
38	.44	.90	08	.16	.08									
42	.46	.30	22	.33	.73									
51	.46	0	32	.40	.42									
54	.52	1.20	44	.47	.35									
56	.59	2.10	7:00	.57	.38									
58	.65	1.80	06	.61	.40									
10:00	.73	2.40	16	.66	.30									
02	.78	1.50	26	.70	.24									
12	.98	1.20	36	.73	.18									
22	1.01	.18	46	.77	.24									
32	1.11	.60	56	.79	.12									
42	1.23	.72	8:00	.81	.30									
52	1.36	.78	20	.85	.12									
11:00	1.39	.23	40	.88	.09									
12:00	1.44	.05	9:00	.91	.09									
p. m.			20	.92	.03									
1:00	1.46	.02	40	.97	.15									
20	1.48	.06	10:00	1.01	.12									
2:32	1.48	0	20	1.12	.33									
40	1.54	.45	40	1.22	.30									
3:00	1.56	.06	11:00	1.26	.12									
30	1.58	.04	30	1.27	.02									
4:00	1.58	0	12:00	1.29	.04									
5:00	1.58	0	p. m.											
30	1.60	.04	12:30	1.30	.02									
6:00	1.65	.10	1:00	1.36	.12									
20	1.67	.06	2:00	1.37	.01									
30	1.69	.12	STORM OF SEPT. 8											
40	1.71	.12	Sept. 8											
7:00	1.74	.09	a. m.											
10	1.82	.48	8:15	0										
20	1.86	.24	18	.08	1.60									
25	1.89	.36	20	.14	1.80									
40	1.91	.08	22	.16	.60									
8:00	1.93	.06	37	.19	.12									
08	1.94	.08	9:00	.23	.10									
18	1.96	.12	10	.28	.30									
28	1.97	.06	20	.33	.30									
32	1.99	.30	30	.38	.30									
36	2.04	.75	40	.39	.06									
40	2.14	1.50	50	.40	.06									
43	2.26	2.40	10:00	.42	.12									
49	2.46	2.00												
55	2.56	1.00												
9:00	2.58	.24												
10	2.59	.06												
28	2.60	.03												



TABLE 51.—Rainfall at station 107 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF DEC. 16			STORM OF DEC. 16—Con.			STORM OF DEC. 27-28—Con.			STORM OF DEC. 28-30—Con.			STORM OF DEC. 28-30—Con.		
Dec. 16			Dec. 16			Dec. 27			Dec. 28			Dec. 29		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
12:20	0		1:00	0.55	0.02	8:00	0.36	0.02	9:30	0.16	0.10	9:00	0.81	0.03
1:00	.04	0.06	:26	.57	.05	9:00	.38	.02	10:00	.17	.02	10:00	.84	.03
:10	.10	.36	:28	.62	1.50	10:00	.40	.02	:40	.15	.02	12:00	.86	.04
:30	.14	.12	:32	.66	.60	11:00	.42	.02	11:00	.19	.03	p. m.		
:50	.19	.15				12:00	.44	.02	:10	.22	.18	3:00	.86	0
2:00	.20	.06	STORM OF DEC. 27-28			Dec. 28			:20	.23	.06	4:00	.87	.01
:10	.22	.12	Dec. 27			a. m.			12:00	.27	.06	5:00	.88	.01
:20	.24	.12	p. m.			2:00	.44	0	Dec. 29			6:00	.89	.01
:40	.27	.09	3:40	0		3:00	.45	.01	a. m.			7:00	.90	.01
:50	.30	.18	4:00	.04	0.12	4:00	.46	.01	:40	.29	.02	8:00	.91	.01
3:00	.33	.18	:20	.08	.12	STORM OF DEC. 28-30			:50	.30	.02	9:00	.92	.01
:10	.33	0	:30	.10	.12	Dec. 28			2:00	.46	.30	11:00	.92	0
:30	.40	.21	:40	.14	.24	p. m.			:30	.53	.14	12:00	.93	.01
:40	.42	.12	:50	.20	.36	6:20	0		3:00	.61	.16	Dec. 30		
4:00	.43	.03	5:00	.22	.12	:40	.04	0.12	4:00	.65	.04	a. m.		
5:00	.46	.03	:20	.25	.09	7:00	.09	.15	:30	.69	.08	1:00	.94	.01
6:00	.47	.01	:30	.28	.18	8:00	.10	.01	5:00	.72	.06	2:00	.95	.01
7:00	.48	.01	6:00	.32	.08	9:00	.11	.01	6:00	.73	.01	4:00	.96	.01
8:00	.50	.02	7:00	.34	.02				7:00	.74	.01	5:00	.96	0
:30	.53	.06							8:00	.75	.04	6:00	.97	.01
12:00	.53	0										7:00	.98	.01

TABLE 52.—Rainfall at station 108 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.			STORM OF FEB. 18-19—Con.			STORM OF MAR. 2-4—Con.		
Jan. 14			Feb. 6			Feb. 10			Feb. 18			Mar. 2		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:10	0		12:40	0.36	0	1:50	0.28	0	9:30	0.08	0.02	12:30	0.22	0.02
:20	.01	0.06	:42	.37	.30	2:00	.29	.06	11:00	.08	0	4:40	.22	0
:30	.05	.24	:45	.37	0	:10	.30	.06	:20	.10	.06	:50	.25	.18
:40	.12	.42	:52	.37	0	3:46	.30	0	:40	.10	0	5:00	.29	.24
:50	.13	.06	:55	.38	.20	:48	.31	.30	12:00	.11	.03	:15	.33	.16
7:00	.15	.12	1:00	.40	.24	:50	.32	.30				:30	.35	.08
:10	.19	.24	:10	.40	0	4:00	.36	.24	Feb. 19			:40	.36	.06
:20	.24	.30	:20	.41	.06	:10	.40	.24	a. m.			8:40	.36	0
:30	.27	.18	:25	.42	.12	:20	.43	.18	12:20	.13	.06	:50	.37	.06
:40	.34	.42	:30	.43	.12	:30	.44	.06	:40	.15	.06	9:00	.42	.30
:50	.42	.48	3:20	.43	0	:40	.48	.24	:50	.17	.06	:15	.47	.20
8:00	.46	.24	:30	.44	.06	:50	.50	.12	1:00	.17	.06	:30	.48	.04
:10	.50	.24	:40	.45	.06	5:00	.51	.06	:20	.19	.06	:45	.50	.08
:20	.53	.18	:50	.46	.06	:20	.55	.12	:30	.20	.06	10:15	.50	0
:30	.56	.18	4:07	.46	0	:40	.58	.09	2:00	.20	0	:30	.51	.04
:40	.59	.18	:10	.48	.40	6:00	.63	.15	:30	.21	.02	:45	.53	.08
:50	.61	.12				:20	.67	.12	:40	.22	.06	11:00	.58	.20
9:00	.63	.12	STORM OF FEB. 9-11			:40	.71	.12	:50	.23	.06	:15	.61	.12
:10	.64	.06	Feb. 9			7:00	.73	.06	3:00	.24	.06	:30	.67	.24
:30	.64	0	p. m.			:50	.73	0	:20	.26	.06	:45	.73	.24
:40	.66	.12	3:00	0		8:00	.76	.18	:40	.29	.09	12:00	.76	.12
:50	.69	.18	4:00	.01	0.01	:20	.77	.03	4:00	.32	.09	Mar. 3		
10:00	.73	.24	5:00	.02	.01	:40	.79	.06	:20	.33	.03	a. m.		
:20	.77	.12	6:00	.02	0	:44	.81	.30	:40	.34	.03	12:15	.79	.12
:40	.81	.12	:20	.04	.06	12:00	.82	.06	5:00	.35	.03	:30	.83	.16
11:00	.84	.09	:40	.06	.06	Feb. 11			:20	.37	.06	:45	.89	.24
			7:00	.09	.09	a. m.			:40	.38	.02	1:00	.94	.20
			:20	.11	.06	1:50	.93	.21	:30	.39	.02	:15	.97	.12
			:40	.12	.06	:10	.96	.06	7:00	.40	.02	:30	1.00	.12
			:10	.12	0	:20	.97	.06				:45	1.02	.08
			:18	.12	0	:30	.98	.06	STORM OF MAR. 2-4			2:00	1.06	.16
			:20	.13	.30	:40	.99	.06	Mar. 2			:30	1.07	.02
			:30	.14	.06	:50	1.00	.06	a. m.			7:00	1.07	0
			:40	.16	.12				8:00	0		8:00	1.08	.01
			Feb. 10			STORM OF FEB. 18-19			:15	.01	0.04	9:00	1.09	.01
			a. m.			Feb. 18			:30	.03	.08	10:00	1.10	.01
			5:00	.16	0	p. m.			:45	.05	.08	p. m.		
			6:00	.18	.02	5:00	0		9:00	.07	.08	5:03	1.10	0
			7:00	.20	.02	6:00	.01	0.01	:15	.11	.16	:05	1.11	.30
			:30	.21	.02	7:00	.02	.01	:30	.12	.04	:07	1.14	.90
			10:36	.21	0	:30	.03	.02	:45	.14	.08	:10	1.15	.20
			:38	.22	.30	8:00	.05	.04	10:00	.15	.04	:15	1.18	.36
			:40	.23	.30	:30	.05	0	:15	.17	.08	:20	1.20	.24
			:42	.25	.60	9:00	.07	.04	:30	.18	.04	:25	1.21	.12
			:44	.27	.60				:45	.19	.04	:45	1.21	0
			:45	.27	0				11:00	.20	.04	6:00	1.22	.04
			:50	.28	.12				:30	.21	.02	:15	1.24	.08



TABLE 52.—Rainfall at station 108 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAR. 2-4—Con.			STORM OF APR. 3			STORM OF APR. 11-12—Con.			STORM OF APR. 19-20			STORM OF MAY 23-24		
Mar. 3			Apr. 3			Apr. 11			Apr. 20			May 23		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
7:15	1.32	0.12	12:15	0		7:20	0.71	0.24	6:10	1.46	0	1:00	0	
30	1.34	.08	17	.04	1.20	40	.76	.15	15	1.47	.12	30	.01	0.02
9:25	1.34	0	18	.06	1.20	8:00	.80	.12	20	1.50	.36	2:45	.01	0
30	1.35	.12	20	.07	.30	10	.84	.24	30	1.53	.48	3:00	.03	.08
35	1.41	.72	2:10	.07	0	20	.87	.18	40	1.64	.36	45	.03	0
40	1.43	.24	12	.09	.60	30	.89	.12	50	1.67	.18	4:00	.04	.04
45	1.44	.12	14	.19	3.00	40	.90	.06	7:00	1.71	.24	30	.05	.02
10:00	1.48	.16	15	.23	2.40	50	.92	.12	10	1.73	.12	5:00	.07	.04
15	1.50	.08	6:02	.23	0	9:00	.96	.24	20	1.74	.06	10:00	.07	0
30	1.52	.08	04	.24	.30	20	1.02	.18	30	1.77	.18	30	.08	.02
35	1.53	.12	05	.25	.60	40	1.07	.15	40	1.80	.18	11:00	.09	.02
11:00	1.53	0	7:40	.25	0	10:00	1.13	.18	9:00	1.80	0	12:00	.09	0
30	1.55	.04	50	.27	.12	20	1.17	.12	30	1.81	.02			
12:00	1.56	.02				40	1.20	.09	10:00	1.82	.02	May 24		
Mar. 4			STORM OF APR. 7-8			11:00	1.22	.06	30	1.82	0	a. m.		
a. m.			Apr. 7			30	1.24	.04	11:00	1.83	.02	12:30	.10	.02
12:30	1.57	.02	p. m.			12:00	1.25	.02	30	1.85	.04	1:00	.12	.04
45	1.59	.08	4:40	0		Apr. 12			12:00	1.86	.02	15	.14	.08
1:00	1.60	.04	5:00	.02	0.06	a. m.			p. m.			30	.17	.12
15	1.61	.04	20	.03	.03	12:30	1.25	0	1:00	1.86	0	45	.21	.16
5:00	1.61	0	30	.04	.06	1:00	1.26	.02	30	1.88	.04	2:00	.24	.12
6:00	1.62	.01	40	.08	.24	STORM OF APR. 19-20			6:30	1.88	0	15	.26	.08
7:00	1.63	.01	50	.12	.24	Apr. 19			7:00	1.89	.02	30	.28	.08
STORM OF MAR. 18			6:00	.15	.18	a. m.			30	1.91	.04	45	.31	.12
Mar. 18			30	.15	0	10:20	0		1:40	1.94		3:00	.32	.04
p. m.			40	.16	.06	40	.01	0.03	STORM OF MAY 6			15	.34	.08
5:40	0		7:15	.16	0	11:00	.02	.03	May 6			4:00	.44	.16
45	.02	0.24	20	.18	.24	20	.03	.03	p. m.			15	.45	.04
47	.02	0	10:30	.18	0	40	.03	.03	6:15	0		25	.45	0
50	.05	.60	35	.19	.12	50	.05	.06	20	.01	.12	26	.47	1.20
55	.08	.36	40	.19	0	12:00	.09	.12	33	.01	0	30	.47	0
6:00	.10	.24	50	.21	.12	p. m.			34	.10	5.40	48	.48	.02
10	.15	.30	11:00	.22	.06	12:20	.13	.12	35	.14	2.40	30	.50	.04
20	.22	.42	05	.24	.24	40	.15	.06	37	.25	3.30	45	.56	.24
30	.24	.12	10	.25	.12	20	.16	.03	40	.33	1.60	6:00	.62	.24
45	.26	.08	Apr. 8			40	.18	.06	43	.51	3.60	15	.68	.24
7:00	.27	.04	a. m.			40	.19	.03	44	.52	.30	30	.75	.28
30	.28	.02	3:43	.25	0	2:30	.19	0	45	.56	.48	45	.83	.32
STORM OF MAR. 30			45	.27	.60	3:00	.21	.04	47	.63	2.10	7:00	.89	.24
Mar. 30			50	.29	.24	40	.23	.04	50	.65	.40	15	.92	.12
a. m.			52	.31	.60	30	.24	.02	55	.66	.12	30	.94	.08
5:00	0		55	.31	0	40	.25	.03	7:00	.67	.12	8:00	.94	0
15	.02	0.08	4:00	.31	0	20	.26	.03	13	.67	0	10	.98	.24
30	.03	.04	10	.36	.30	50	.29	.09	15	.70	.90	20	.98	0
45	.05	.08	20	.38	.12	20	.33	.12	30			30	.99	.06
6:00	.06	.04	30	.39	.06	40	.36	.09	40			40	1.00	.06
15	.07	.04	6:55	.39	0	20	.36	.12	50			50	1.04	.24
30	.09	.08	7:00	.41	.24	40	.36	.09	55			55	1.05	.12
45	.12	.12	20	.41	0	6:00	.38	.06	May 15			9:00	1.07	.24
7:00	.13	.04	25	.42	.12	7:00	.41	.09	a. m.			04	1.08	.15
15	.15	.08	30	.44	.24	40	.43	.06	11:00	0		05	1.10	1.20
30	.17	.08	STORM OF APR. 11-12			50	.46	.09	15	.02	0.08	08	1.14	.80
45	.18	.04	Apr. 11			50	.48	.24	30	.04	.08	10	1.15	.30
8:00	.20	.08	p. m.			10	.49	.12	45	.08	.16	15	1.16	.12
30	.21	.02	12:40	0		20	.49	0	12:00	.11	.12	30	1.19	.12
9:00	.22	.02	1:00	.02	0.06	40	.53	.12	p. m.			45	1.22	.12
30	.24	.04	20	.03	.03	40	.56	.09	12:15	.15	.16	10:00	1.24	.08
10:00	.25	.02	40	.05	.06	45	.60	.12	30	.21	.24	04	1.25	.15
11:55	.25	0	2:00	.08	.09	50	.67	.21	45	.23	.08	05	1.26	.60
12:00	.26	.12	30	.11	.09	55	.69	.24	50	.25	.12	10	1.27	.12
			40	.11	0	9:00	.70	.12	1:40	.23	0	20	1.28	.06
			50	.13	.12	40	.73	.36	50	.25	.12	35	1.28	0
			10	.16	.18	20	.77	.12	2:00	.25	0	40	1.29	.12
			20	.18	.30	40	.81	.12	15	.26	.04	45	1.31	.24
			30	.20	.24	50	.87	.18	30	.27	.04	11:00	1.32	.04
			40	.24	.30	10:00	.99	.36	STORM OF MAY 19			15	1.34	.08
			50	.25	.30	20	1.09	.30	May 19			17	1.35	.80
			1:00	.25	.30	40	1.19	.30	p. m.			20	1.37	.30
			20	.30	.30	50	1.31	.36	12:14	0		25	1.39	.24
			30	.32	.12	100	1.35	.24	15	.05	0.75	30	1.40	.12
			33	.33	.20	20	1.38	.18	16	.06	.15	45	1.53	.04
			40	.36	.12	40	1.39	.06	40	.08	.12	56	1.54	0
			50	.39	.09	50	1.40	.06	45	.08	0	2:00	1.58	.60
			6:00	.41	.06	Apr. 20			50	.12	1.20	10	1.61	.18
			40	.42	.03	a. m.			52	.16	1.20	20	1.63	.12
			50	.45	.09	12:30	1.40	0	2:00	.16	0	30	1.64	.06
			10	.46	.06	1:00	1.41	.02	05	.17	.12			
			20	.49	.18	30	1.42	.02	09	.24	1.05			
			30	.51	.12	5:25	1.42	0	10	.25	.60			
			40	.52	.06	30	1.44	.24	15	.30	.60			
			6:00	.53	.03	40	1.44	0						
			20	.55	.06	50	1.45	.06						
			40	.59	.12	6:00	1.46	.06						
			7:00	.63	.12									



TABLE 52.—Rainfall at station 108 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-30			STORM OF JUNE 7			STORM OF JUNE 10-11—Con.			STORM OF JUNE 25-26—Con.			STORM OF JUNE 30-JULY 1—Continued					
May 29			June 7			June 11			June 25			June 30					
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>			
6:25	0		11:35	0		1:23	0.06	0	10:05	0.13	0	7:50	0.18	0.12			
:29	.01	0.15	:40	.01	0.12	:25	.11	1.50	:10	.16	.36	9:40	.18	0			
:30	.03	1.20	:50	.02	.06	:27	.14	.90	:20	.17	.06	:50	.20	.12			
:32	.10	2.10	12:00	.04	.12	:30	.22	1.60	:30	.18	.06	:54	.20	0			
:35	.11	.20				:32	.23	.30				:55	.21	.60			
:40	.12	.12	<i>p. m.</i>			:37	.23	0	June 26			10:00	.22	.12			
:45	.13	.12	12:20	.04	0	:40	.32	1.80	<i>p. m.</i>			:10	.24	.12			
7:15	.13	0	:30	.05	.06	:43	.38	1.20	12:16	0		:23	.24	0			
:30	.14	.04	:45	.05	0				:20	.06	.90	:25	.25	.30			
9:30	.14	0	:50	.06	.12	STORM OF JUNE 12			:22	.08	.60	:30	.27	.24			
:35	.15	.12	1:00	.07	.06	June 12			:25	.09	.20	:40	.29	.12			
:40	.17	.24	:10	.09	.12	<i>p. m.</i>			:30	.10	.12	:50	.33	.24			
:45	.20	.36				12:12	0		1:02	.10	0	11:00	.36	.18			
:50	.21	.12	STORM OF JUNE 8-9			:15	.03	0.90	:05	.11	.20	:02	.36	0			
10:00	.22	.06	June 8			:18	.11	1.60	:10	.12	.12	:03	.39	.60			
:10	.24	.12	<i>p. m.</i>			:20	.22	3.30	:50	.12	0	:15	.40	.30			
:20	.25	.06	4:15	0		:20	.25	.18	:55	.13	.12	:20	.43	.36			
:30	.28	.18	:20	.05	0.60	:23	.26	0	STORM OF JUNE 28			:30	.48	.30			
:40	.29	.06	:21	.06	.60	:25	.26	4.60	June 28			:40	.51	.18			
:50	.31	.12	:23	.20	4.20	:28	.21	3.00	<i>a. m.</i>			:50	.55	.24			
11:00	.32	.06	:25	.21	.30	:30	.23	.24	7:43	0		:54	.58	.12			
			:30	.23	.24				:45	.08	2.40	12:10	.59	.06			
May 30			June 9			:05	.71	.60	:47	.25	5.10	:20	.60	.06			
<i>a. m.</i>			<i>a. m.</i>			:06	.72	.60	:50	.40	3.00	:30	.61	.06			
1:09	.32	0	1:16	.23	0	:10	.74	.30	:51	.42	1.20	:40	.61	0			
:10	.33	.60	:20	.27	.60	:16	.74	0	:53	.43	.30	:50	.65	.24			
:15	.38	.60	:22	.27	0	:18	.76	.30	:55	.51	2.40	1:00	.66	.06			
:18	.40	.40	:25	.28	.20				:58	.57	.84	:25	.66	0			
:20	.44	1.20	:28	.30	.40	STORM OF JUNE 18			:03	.57	0	:30	.67	.12			
:25	.46	.24	:30	.31	.30	June 18			:05	.60	.60	:45	.67	0			
:46	.46	0				<i>p. m.</i>			:06	.61	.60	:50	.68	.12			
:50	.49	.45				3:37	.44	( <sup>1</sup> )	:09	.62	.20	2:00	.69	.06			
:55	.50	.12				:40	.46	0.40	:10	.66	2.40	:10	.71	.08			
:58	.53	.60				:43	.55	1.80	:14	.79	1.95	:15	.72	.12			
4:40	.53	0				:45	.68	3.90	:15	.80	.60	:20	.74	.08			
:45	.54	.12				:47	.77	2.70	:58	.83	.60	:30	.75	.12			
:55	.54	0				:50	.99	4.40	9:00	.95	3.60	:40	.76	.12			
5:00	.55	.12				:52	1.10	3.30	:01	1.02	4.20	:50	.77	.12			
6:08	.55	0				:54	1.16	1.80	:05	1.10	1.20	:54	.78	.12			
:10	.56	.30				:55	1.20	2.40	:08	1.12	.40	:58	.79	.06			
:15	.57	.12				:57	1.35	4.50	:09	1.15	1.80	:59	.80	.12			
:20	.58	.12				4:00	1.44	1.80	:10	1.23	4.80	:59	.81	.12			
:30	.59	.06				:05	1.46	.24	:11	1.31	4.80	:59	.82	.12			
:35	.59	0				:08	1.47	.30	:13	1.32	.30	:59	.83	.12			
7:20	.59	0				:10	1.48	.30	:15	1.32	0	:59	.84	.12			
:30	.61	.12				:15	1.49	.12	:17	1.34	.60	:59	.85	.12			
:40	.62	.06				:20	1.50	.12	:20	1.38	.80	:59	.86	.12			
:50	.62	0				STORM OF JUNE 23			:30	1.40	.12	:59	.87	.12			
8:00	.64	.12				June 23			:40	1.42	.12	:59	.88	.12			
:10	.65	.06				<i>p. m.</i>			:50	1.43	.06	:59	.89	.12			
:20	.66	.06				8:25	0		:55	1.45	.24	:59	.90	.12			
:30	.66	0				:26	.10	6.00	:58	1.46	.20	:59	.91	.12			
:45	.67	.04				:30	.39	4.35	10:00	1.48	.60	:59	.92	.12			
9:00	.69	.08				:32	.54	4.50	:10	1.50	.12	:59	.93	.12			
:15	.71	.08				:35	.59	1.00	:10	1.51	0	:59	.94	.12			
:20	.71	0				:40	.62	.36	:10	1.52	.02	:59	.95	.12			
:45	.72	.12				:45	.64	.24	:10	1.52	.02	:59	.96	.12			
11:00	.74	.08				:50	.65	.12	:10	1.52	.02	:59	.97	.12			
						:51	.66	.60				:59	.98	.12			
						:52	.67	.60				:59	.99	.12			
						9:00	.67	0				:59	1.00	.12			
						:10	.71	.24				:59	1.01	.12			
						:20	.73	.12				:59	1.02	.12			
						:30	.76	.18				:59	1.03	.12			
						:40	.79	.18				:59	1.04	.12			
						:50	.81	.12				:59	1.05	.12			
						10:00	.82	.06				:59	1.06	.12			
						STORM OF JUNE 25-26						:59	1.07	.12			
						June 25						:59	1.08	.12			
						<i>p. m.</i>						:59	1.09	.12			
						6:50	0					:59	1.10	.12			
						:02	.02	0.12				:59	1.11	.12			
						:05	.03	.30				:59	1.12	.12			
						:10	.07	.80				:59	1.13	.12			
						:12	.11	.48				:59	1.14	.12			
							.13	.60				:59	1.15	.12			
												:59	1.16	.12			
												:59	1.17	.12			
												:59	1.18	.12			
												:59	1.19	.12			
												:59	1.20	.12			

<sup>1</sup> No intensity record.



TABLE 52.—Rainfall at station 108 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 23			STORM OF AUG. 25-26			STORM OF AUG. 27-Con.			STORM OF SEPT. 24-25-Con.			STORM OF NOV. 5-Con.		
July 23			Aug. 25			Aug. 28			Sept. 24			Nov. 5		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
5:00	0		9:00	0		8:36	1.94	3.00	10:00	0.26	0.20	10:00	0.10	0.10
:03	.02	0.40	:57	.06	0.06	:38	2.08	4.20	:06	.28	.20	:30	.12	.04
:05	.05	.90	10:00	.08	.40	:40	2.18	3.00	:16	.32	.24	11:00	.13	.02
:08	.14	1.80	:05	.12	.48	:42	2.22	1.20	:20	.36	.60	:26	.14	.02
:10	.15	.30	:09	.14	.30	:44	2.24	.60	:24	.44	1.20	:30	.16	.30
7:30	.15	0	:51	.16	.03	:50	2.26	.20	:27	.52	1.60	:38	.18	.15
:35	.18	.36	:55	.24	1.20	9:00	2.27	.06	:31	.56	.60	:48	.22	.24
:40	.24	.72	11:00	.28	.48	:10	2.28	.06	:38	.61	.43	:52	.24	.30
:42	.44	6.00	:04	.29	.15	STORM OF SEPT. 8			11:00	.63	.05	:54	.26	.60
:44	.58	4.20	:08	.30	.15				:30	.67	.08	12:00	.28	.20
:45	.65	4.20	12:00	.34	.05				12:00	.69	.04			
:47	.75	3.00												
:50	.81	1.20	Aug. 26											
:55	.88	.84	a. m.											
STORM OF JULY 24			12:02	.36	.60	Sept. 8								
July 24			:06	.40	.60	a. m.								
p. m.			:08	.70	9.00	8:13	0							
8:40	0		:14	.74	.40	:16	.14	2.80						
:45	.14	1.68	6:35	.74	0	:19	.20	1.20						
:48	.20	1.20	:49	.75	.04	:25	.21	.10						
:50	.21	.80	9:21	.75	0	:30	.22	.12						
9:09	.22	.06	:27	.76	.10	:35	.23	.12						
:10	.22	0				:40	.24	.12						
:20	.24	.12				:50	.27	.18						
:30	.25	.06				9:00	.31	.24						
:40	.26	.06				:10	.35	.24						
STORM OF JULY 26						:20	.38	.18						
July 26						:30	.42	.24						
p. m.						:40	.43	.06						
6:00	0					10:00	.44	.03						
:10	.01	0.06				11:00	.45	.01						
:20	.02	.06				:50	.46	.01						
:25	.03	.12				STORM OF SEPT. 10-11								
:30	.04	.12				Sept. 10								
7:16	.04	0				p. m.								
:20	.08	.60				11:44	0							
:23	.10	.40				12:00	.02	0.08						
:25	.12	.60												
:26	.14	1.20				Sept. 11								
:30	.16	.30				a. m.								
:45	.16	0				12:10	.04	.12						
:50	.17	.12				:20	.10	.36						
:53	.18	.20				:30	.12	.12						
:55	.22	1.20				:40	.14	.12						
8:00	.26	.48				1:00	.16	.06						
:05	.35	1.08				:20	.18	.06						
:23	.35	0				:40	.20	.06						
:25	.37	.60				:50	.26	.36						
:28	.39	.40				2:00	.30	.24						
:30	.39	0				:10	.32	.12						
STORM OF AUG. 14						:30	.34	.06						
Aug. 14						3:00	.36	.04						
p. m.						:30	.37	.02						
1:32	0					4:00	.38	.02						
:38	.04	0.40				7:00	.38	0						
:56	.05	.03				8:00	.40	.02						
:59	.08	.60				STORM OF SEPT. 24-25								
2:00	.13	3.00				Sept. 24								
:05	.21	.96				a. m.								
:10	.23	.24				5:00	0							
:12	.28	1.50				6:00	.02	0.02						
:14	.33	1.50				7:00	.04	.02						
:23	.34	.07				:42	.06	.03						
:26	.36	.40				8:00	.08	.07						
:31	.42	.72				10:56	.08	0						
3:00	.43	.02				11:00	.10	.30						
4:00	.44	.01				:15	.12	.08						
5:00	.45	.01												
:06	.46	.10				p. m.								
:09	.49	.60				7:32	0							
:12	.52	.60				8:00	.02	.04						
:20	.54	.15				:06	.03	.10						
:23	.57	.60				:10	.09	.90						
54	.58	.02				:12	.11	.60						
6:00	.60	.20				9:00	.12	.01						
STORM OF AUG. 27						:30	.14	.04						
Aug. 27						:40	.16	.12						
a. m.						:46	.18	.20						
12:32	0					:54	.24	.45						
:44	.04	0.20												
:48	.22	2.70												
:53	.28	.72												
1:00	.30	.17												
:12	.32	.10												
:18	.36	.40												
:32	.38	.09												
:39	.40	.60												
:40	.42	.20												
STORM OF AUG. 25														
Aug. 25														
p. m.														
9:00	0													
:57	.06	0.06												
10:00	.08	.40												
:05	.12	.48												
:09	.14	.30												
:51	.16	.03												
:55	.24	1.20												
11:00	.28	.48												
:04	.29	.15												
:08	.30	.15												
12:00	.34	.05												
STORM OF SEPT. 8														
Sept. 8														
a. m.														
8:13	0													
:16	.14	2.80												
:19	.20	1.20												
:25	.21	.10												
:30	.22	.12												
:35	.23	.12												
:40	.24	.12												
:50	.27	.18												
9:00	.31	.24												
:10	.35	.24												
:20	.38	.18												
:30	.42	.24												
:40	.43	.06												
10:00	.44	.03												
11:00	.45	.01												
:50	.46	.01												
STORM OF SEPT. 10-11														
Sept. 10														
p. m.														
11:44	0													
12:00	.02	0.08												
STORM OF SEPT. 11														
Sept. 11														
a. m.														
12:10	.04	.12												
:20	.10	.36												
:30	.12	.12												
:40	.14	.12												
1:00	.16	.06												
:20	.18	.06												
:40	.20	.06												
:50	.26	.36												
2:00	.30	.24												
:10	.32	.12												
:30	.34	.06												
3:00	.36	.04												
:30	.37	.02												
4:00	.38	.02												
7:00	.38	0												
8:00	.40	.02												
STORM OF SEPT. 24-25														
Sept. 24														
a. m.														
5:00	0													
6:00	.02	0.02												
7:00	.04	.02												
:42	.06	.03												
8:00	.08	.07												
10:56	.08	0												
11:00	.10	.30												
:15	.12	.08												
STORM OF SEPT. 24-25														
Sept. 24														
a. m.														
7:32	0													
8:00	.02	.04												
:06	.03	.10												
:10	.09	.90												
:12	.11	.60												
9:00	.12	.01												
:30	.14	.04												
:40	.16	.12												
:46	.18	.20												
:54	.24	.45												
STORM OF SEPT. 24-25														
Sept. 24														
a. m.														
8:00	.02	.04												
:06	.03	.10												
:10	.09	.90												
:12	.11	.60												
9:00	.12	.01												
:30	.14	.04												
:40	.16	.12												
:46	.18	.20												
:54	.24	.45												
STORM OF SEPT. 24-25														
Sept. 24														
a. m.														
8:18	0													
9:00	.02	0.03												
:30	.05	.06												
STORM OF SEPT. 24-25														
Sept. 24														
a. m.														
8:18	0													
9:00	.02	0.03												
:30	.05	.06												
STORM OF SEPT. 24-25														
Sept. 24														
a. m.														



TABLE 52.—Rainfall at station 108 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF NOV. 10-11—Con.			STORM OF DEC. 12			STORM OF DEC. 16—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.		
Nov. 11			Dec. 12			Dec. 16			Dec. 27			Dec. 29		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
6:14-----	0.83	0.12	6:00-----	0	0.01	1:00-----	0.06	0.12	10:30-----	0.06	0.04	4:00-----	0.62	0.03
:24-----	.92	.24	7:00-----	.01	0.01	:10-----	.11	.30	11:00-----	.07	.02	:06-----	.62	0
STORM OF NOV. 27			9:00-----	.02	.02	:30-----	.16	.15	:30-----	.08	.02	:10-----	.63	.15
Nov. 27			10:00-----	.03	.01	:50-----	.20	.12	12:00-----	.09	.02	:14-----	.66	.45
a. m.	Inches	Inches per hour	11:00-----	.04	.01	2:00-----	.22	.12	Dec. 28			:20-----	.68	.20
12:10-----	0	0.06	:30-----	.05	.02	:20-----	.26	.12	a. m.			:30-----	.70	.12
:30-----	.02	0.06	12:00-----	.06	.02	:30-----	.28	.12	1:00-----	.09	0	:35-----	.70	0
:44-----	.06	.17	p. m.			:40-----	.30	.12	:30-----	.10	.02	:40-----	.71	.12
1:00-----	.08	.08	12:20-----	.08	.06	:50-----	.32	.12	4:00-----	.11	.01	5:00-----	.72	.03
:20-----	.14	.18	:30-----	.10	.12	3:00-----	.34	.12	p. m.			6:00-----	.73	.01
:40-----	.24	.30	:40-----	.12	.12	:10-----	.38	.24	6:00-----	0		7:00-----	.74	.01
2:00-----	.34	.30	:50-----	.14	.12	:20-----	.40	.12	:20-----	.01	.03	:30-----	.75	.02
:10-----	.40	.36	1:00-----	.16	.06	:40-----	.44	.12	:30-----	.02	.06	8:00-----	.77	.04
:20-----	.44	.24	:20-----	.18	.03	4:00-----	.45	.03	:40-----	.04	.12	:30-----	.80	.06
:30-----	.45	.24	:40-----	.19	.03	:30-----	.46	.02	:50-----	.06	.12	9:00-----	.82	.04
:40-----	.54	.36	2:00-----	.20	.03	5:00-----	.48	.04	1:00-----	.08	.08	:20-----	.84	.06
:50-----	.58	.24	:10-----	.21	.06	6:00-----	.49	.01	:30-----	.10	.12	10:00-----	.85	.02
3:00-----	.62	.24	:20-----	.26	.30	7:00-----	.50	.01	7:00-----	.08	.12	11:00-----	.86	.01
:10-----	.64	.12	:40-----	.27	.03	8:00-----	.51	.01	:10-----	.10	.12	:12-----	.86	0
:20-----	.68	.12	3:00-----	.29	.06	10:00-----	.52	0	8:30-----	.10	0	p. m.		
:40-----	.71	.09	:30-----	.30	.02	11:00-----	.53	.01	9:00-----	.14	.08	3:00-----	0	
4:00-----	.72	.03	:40-----	.31	.06	12:00-----	.54	.01	:20-----	.15	.03	4:00-----	.04	.04
:06-----	.74	.20	:50-----	.32	.06	STORM OF DEC. 27-30			10:00-----	.16	.02	:30-----	.05	.02
:10-----	.76	.30	4:00-----	.33	.06	Dec. 27			:30-----	.18	.04	5:00-----	.07	.04
:25-----	.78	.08	5:00-----	.34	.01	p. m.			:40-----	.19	.06	:30-----	.08	.02
:30-----	.79	.12	:10-----	.36	.12	3:50-----	0		:50-----	.19	0	6:00-----	.09	.02
5:00-----	.79	0	:20-----	.36	.12	4:00-----	.02	0.12	11:00-----	.20	.06	7:00-----	.10	.01
:30-----	.80	.02	:40-----	.46	.12	:10-----	.04	.12	:25-----	.22	.05	8:00-----	.11	.01
6:00-----	.81	.02	:50-----	.48	.12	:20-----	.07	.13	:30-----	.23	.12	9:00-----	.11	0
:10-----	.82	.06	6:00-----	.52	.24	:30-----	.10	.18	:32-----	.25	.60	10:00-----	.12	.01
:20-----	.83	.06	7:00-----	.57	.02	:40-----	.14	.24	44-----	.28	.15	11:00-----	.13	.01
:30-----	.86	.18	8:00-----	.58	.01	:50-----	.18	.24	Dec. 29			12:00-----	.14	.01
:45-----	.87	.04	9:00-----	.59	.01	5:00-----	.22	.24	a. m.			Dec. 30		
7:00-----	.88	.04	:23-----	.60	.03	:10-----	.24	.12	1:30-----	.28	0	a. m.		
:20-----	.90	.06	STORM OF DEC. 16			:20-----	.26	.12	:35-----	.29	.12	1:00-----	.15	.01
:40-----	.94	.12	Dec. 16			:30-----	.28	.12	:40-----	.32	.36	2:00-----	.18	.03
8:00-----	.95	.03	a. m.			6:00-----	.29	.02	:45-----	.38	.72	:20-----	.19	.03
9:00-----	.96	.01	12:20-----	0		:10-----	.30	.06	:50-----	.42	.48	:40-----	.23	.12
:30-----	.98	.04	:40-----	.02	0.06	9:00-----	0		2:00-----	.44	.12	3:00-----	.25	.06
10:00-----	1.00	.04				:30-----	.01	.02	:10-----	.46	.12	:20-----	.28	.09
:30-----	1.05	.10				10:00-----	.04	.06	:20-----	.50	.24	:40-----	.31	.09
11:30-----	1.05	0							:40-----	.56	.12	4:00-----	.32	.03
:45-----	1.07	.05							3:00-----	.58	.06	5:00-----	.33	.01

TABLE 53.—Rainfall at station 109 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF JAN. 14—Con.			STORM OF FEB. 6—Con.			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.		
Jan. 14			Jan. 14			Feb. 6			Feb. 6			Feb. 9		
a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:20-----	0	0.30	10:10-----	0.70	0.24	9:40-----	0.10	0.12	4:15-----	0.38	0	9:00-----	0.11	0.10
:30-----	.05	0.30	:15-----	.71	.12	:45-----	.12	.24	:18-----	.38	0	:10-----	.12	.02
:40-----	.08	.18	:20-----	.72	.12	:50-----	.13	.12	:20-----	.39	.30	:12-----	.13	.36
:50-----	.10	.12	:30-----	.74	.12	:55-----	.14	.12	:25-----	.41	.24	:15-----	.13	0
7:00-----	.12	.12	:40-----	.75	.06	10:00-----	.15	.12	:28-----	.42	.20	:20-----	.13	0
:10-----	.15	.18	:50-----	.76	.06	:05-----	.17	.24	:30-----	.42	0	:30-----	.15	.12
:20-----	.19	.24	11:00-----	.77	.06	:10-----	.19	.24	:37-----	.42	0	12:00-----	.15	0
:30-----	.22	.18	:04-----	.78	.15	:15-----	.21	.24	:38-----	.46	2.40	Feb. 10		
:40-----	.29	.42	:05-----	.79	.60	:20-----	.23	.24	:40-----	.46	0	a. m.		
:50-----	.26	.42	p. m.			:25-----	.24	.12	:53-----	.46	0	12:30-----	.16	.02
8:00-----	.41	.30	2:15-----	.79	0	11:00-----	.24	0	:55-----	.48	.60	3:00-----	.16	0
:10-----	.44	.18	:20-----	.80	.12	:30-----	.25	.02	STORM OF FEB. 9-11			:30-----	.17	.02
:15-----	.45	.12	:30-----	.82	.12	p. m.			Feb. 9			5:30-----	.17	0
:20-----	.47	.24	STORM OF FEB. 6			12:30-----	.25	0	p. m.			6:00-----	.18	.02
:25-----	.49	.24	Feb. 6			:40-----	.26	.06	2:02-----	0		:30-----	.18	0
:30-----	.50	.12	a. m.			:56-----	.26	0	:05-----	.03	0.60	:45-----	.25	.24
:35-----	.53	.36	8:30-----	0		1:00-----	.27	.15	:50-----	.03	0	7:00-----	.20	.04
:40-----	.54	.12	:40-----	.02	0.12	:05-----	.28	.12	3:00-----	.04	.06	:30-----	.21	.02
:50-----	.55	.06	:50-----	.03	.06	:10-----	.29	.12	:40-----	.05	.02	12:00-----	.21	0
9:00-----	.57	.12	:55-----	.04	.12	:20-----	.29	0	:50-----	.06	.06	p. m.		
:10-----	.58	.06	9:00-----	.05	.12	:30-----	.32	.18	5:00-----	.07	.06	1:00-----	.22	.01
:20-----	.59	.06	:10-----	.05	0	:40-----	.32	0	6:00-----	.08	.06	2:00-----	.23	.01
:30-----	.59	0	:20-----	.07	.12	:50-----	.34	.06	7:00-----	.09	.06	3:40-----	.23	0
:35-----	.61	.24	:30-----	.08	.06	4:00-----	.35	.06	:10-----	.09	0	:45-----	.25	.24
:40-----	.61	0				:11-----	.35	0	8:50-----	.09	0	:50-----	.27	.24
:45-----	.62	.12				:12-----	.38	1.80				:55-----	.29	.24
:50-----	.63	.12										4:00-----	.30	.12
:55-----	.66	.36										:05-----	.33	.36
10:00-----	.67	.12												
:05-----	.68	.12												



TABLE 53.—Rainfall at station 109 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF FEB. 9-11-Con.			STORM OF FEB. 18-Con.			STORM OF MAR. 2-4-Con.			STORM OF APR. 3			STORM OF APR. 11-Con.		
Feb. 10			Feb. 18			Mar. 3			Apr. 3			Apr. 11		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
4:10	0.34	0.12	4:55	0.53	0	7:00	1.28	0.08	12:18	0	0.90	6:00	0.56	0.06
:20	.36	.12	5:05	.53	0	:15	1.30	.08	:20	.03	.24	:10	.57	.06
:30	.39	.18	:10	.54	.12	:30	1.32	.08	:25	.05	.24	:20	.58	.06
:35	.41	.24	:40	.54	0	:45	1.33	.04	2:13	.05	0	:30	.59	.06
:40	.42	.12	6:00	.55	.03	9:30	1.33	0	:15	.09	1.20	:40	.61	.12
:50	.42	0	:30	.56	.02	:40	1.40	.42	:16	.13	2.40	:45	.61	0
5:00	.44	.12	9:30	.56	0	:50	1.44	.24	:18	.19	1.80	:47	.63	.60
:10	.46	.12	:40	.58	.12	10:00	1.48	.24	:20	.19	0	:50	.64	.20
:20	.48	.12	-----	.68	-----	:15	1.51	.12	6:06	.19	0	7:00	.68	.24
:30	.49	.06	STORM OF MAR. 2-4			:30	1.53	.08	:10	.23	.60	:07	.68	0
:35	.50	.12	Mar. 2			:40	1.54	.06	STORM OF APR. 7-8			:10	.69	.20
:40	.52	.24	a. m.			11:00	1.54	0	Apr. 7			:15	.71	.24
:45	.54	.24	8:00	0	-----	:30	1.55	.02	5:25	0.04	(1)	:20	.73	.24
:50	.55	.12	:15	.01	0.04	12:00	1.56	.02	:30	.05	0.12	:25	.75	.24
6:00	.56	.06	:30	.02	.04	STORM OF MAR 18			:35	.06	.12	:30	.76	.12
:10	.58	.12	:45	.03	.04	Mar. 18			:40	.09	.36	:35	.77	.12
:15	.60	.24	9:00	.05	.08	p. m.			:45	.10	.12	:40	.81	.48
:20	.60	0	:15	.09	.16	5:40	0	-----	:50	.12	.24	:45	.83	.24
:30	.62	.12	:30	.12	.12	:50	.04	0.24	:55	.13	.12	:50	.84	.12
:40	.64	.12	:45	.13	.01	6:00	.09	.30	6:00	.14	0	8:00	.86	.12
:50	.64	0	10:00	.15	.08	:10	.14	.30	:30	.14	0	:10	.88	.12
7:00	.66	.12	:15	.16	.04	:20	.20	.36	:40	.15	.06	:20	.92	.24
:20	.66	0	:30	.18	.08	:25	.22	.24	:45	.15	0	:30	.94	.12
:30	.67	.06	:45	.19	.04	:30	.22	0	:50	.16	.12	:35	.96	.24
:40	.67	0	11:00	.20	.04	:40	.24	.12	:55	.17	.12	:40	.97	.12
:50	.68	.06	:15	.21	.04	:50	.24	0	7:10	.18	.12	:50	.98	.06
8:00	.69	.06	:30	.21	0	:55	.26	.24	:20	.18	.12	9:00	1.01	.18
:10	.71	.12	:45	.22	.04	7:10	.26	0	:25	.18	.12	:05	1.04	.36
:20	.71	0	-----	-----	-----	-----	.28	.06	10:35	.18	0	:08	1.07	.60
:30	.72	.06	p. m.			STORM OF MAR. 30			:40	.19	.12	:10	1.07	0
:35	.72	0	4:15	.22	0	Mar. 30			:45	.20	.12	:20	1.09	.12
:40	.73	.12	5:00	.23	.04	4:45	0	-----	:50	.22	.24	:30	1.11	.12
:45	.74	.20	:15	.26	.12	5:00	.01	0.04	:55	.23	.20	:40	1.15	.24
:50	.74	0	:30	.31	.20	:15	.02	.04	4:02	.30	0	:50	1.18	.18
9:00	.75	.20	:45	.35	.16	:30	.03	.04	:05	.32	.40	10:00	1.20	.12
Feb. 11			6:00	.37	.08	:45	.04	.04	:10	.34	.24	:05	1.22	.24
a. m.			:15	.38	.30	6:00	.05	.04	:20	.37	.18	:10	1.23	.12
12:05	.75	0	:30	.39	.12	:15	.08	.12	:30	.38	.06	:15	1.24	.12
:10	.77	.24	:45	.43	.24	:30	.09	.04	:40	.38	0	:20	1.25	.12
:20	.78	.06	:50	.47	.24	4:00	.27	.06	:50	.39	.12	:30	1.25	0
:30	.82	.24	10:30	.50	.06	4:02	.27	.06	a. m.			:40	1.27	.12
:40	.84	.12	:40	.51	0	5:00	.29	.12	3:45	.25	0	:50	1.29	.12
:50	.86	.12	:50	.52	.06	:15	.32	.18	:55	.27	.24	11:00	1.30	.06
STORM OF FEB. 18			11:00	.54	.12	:30	.36	.16	4:02	.30	0	:10	1.31	.06
Feb. 18			:15	.57	.18	4:45	.01	0.04	:05	.32	.40	:20	1.32	.06
a. m.			:30	.62	.20	5:00	.02	.04	:10	.34	.24	:30	1.33	.06
6:00	0	-----	:45	.65	.12	:15	.03	.04	:20	.37	.18	STORM OF APR. 19-20		
7:00	.01	0.01	6:00	.71	.16	:30	.04	.04	:30	.38	.06	Apr. 19		
8:00	.02	.01	7:00	.75	.16	4:45	.04	.04	6:55	.38	0	a. m.		
:30	.04	.04	Mar. 3			6:00	.05	.04	7:00	.39	.12	10:00	0	-----
9:00	.05	.02	a. m.			:15	.08	.12	:20	.39	0	:30	.00	0.02
:30	.06	.02	12:15	.77	.08	:30	.09	.04	:25	.41	.24	:40	.02	.02
10:00	.07	.02	:30	.82	.20	:45	.13	.16	:30	.42	.12	:50	.04	.04
:30	.07	0	:45	.87	.20	7:00	.14	.04	4:02	.30	0	:40	.05	.06
11:00	.08	.02	1:00	.91	.16	:15	.15	.04	:05	.32	.40	:50	.06	.06
:20	.09	.03	:15	.95	.16	:30	.17	.08	:10	.34	.24	12:00	.09	.18
:40	.12	.09	:30	.99	.16	8:00	.19	.04	:20	.37	.18	STORM OF APR. 11		
12:00	.13	.03	:45	1.03	.16	9:00	.21	.04	Apr. 11			12:10	.11	.12
p. m.			2:00	1.03	0	10:00	.22	.02	p. m.			:20	.13	.12
:20	.15	.06	:15	1.06	.12	:15	.25	.01	:20	.02	0.06	:30	.14	.06
:40	.16	.03	:30	1.07	0	:30	.26	.01	:40	.05	.09	:40	.15	.06
1:00	.18	.06	6:00	1.07	.02	4:00	.27	.06	:50	.09	.12	:50	.16	.06
:20	.20	.06	7:00	1.08	.01	4:02	.27	.06	2:00	.10	.03	1:00	.16	0
:40	.22	.06	8:30	1.08	0	5:00	.29	.12	:30	.11	.06	:10	.17	.06
2:25	.22	0	9:00	1.09	.02	:20	.29	.12	:40	.12	.06	:20	.18	.06
:30	.23	.12	:15	1.09	0	:30	.32	.18	:50	.15	.18	:30	.19	.06
:40	.25	.12	:45	1.10	.12	1:00	.39	.12	3:00	.20	.30	:40	.20	.06
:50	.27	.12	10:00	1.10	0	:15	.44	.20	:10	.23	.18	:50	.21	.06
3:00	.29	.12	:30	1.11	.02	:30	.49	.20	:20	.28	.30	3:00	.21	0
:10	.31	.12	p. m.			:45	.52	.12	:30	.33	.30	:20	.24	.09
:20	.33	.12	5:03	1.11	0	2:00	.54	.08	:40	.36	.18	:40	.26	.06
:30	.36	.18	:05	1.12	.30	:15	.56	.08	:50	.38	.12	:50	.26	0
:40	.38	.12	:10	1.15	.36	:30	.58	.08	4:00	.39	.06	:20	.27	.03
:50	.42	.24	:20	1.18	.36	:45	.60	.08	:10	.40	.06	:40	.28	.03
4:00	.43	.06	:30	1.19	.36	3:00	.63	.12	:20	.43	.18	5:00	.31	.09
:10	.45	.12	:40	1.20	.06	:15	.66	.12	:35	.44	.20	:20	.34	.09
:20	.46	.06	:50	1.22	.08	:30	.68	.08	:40	.44	0	:40	.37	.09
:22	.46	0	:15	1.24	.08	4:00	.72	.12	:50	.45	.06	6:00	.40	.09
:23	.49	0	:45	1.26	.08	:15	.74	.04	5:00	.46	.06	:20	.43	.09
:25	.49	1.80	STORM OF MAR. 2-4			:30	.80	-----	:10	.48	.12	:30	.43	0
:40	.49	0	Mar. 2			-----	.80	-----	:20	.50	.12	:40	.47	.24
:50	.50	.06	8:00			STORM OF MAR 18			:30	.53	.18	:50	.48	.06
:52	.50	0	:15			STORM OF MAR 18			:40	.55	.12	7:00	.50	.12
:53	.53	1.80	:30			STORM OF MAR 18			:50	.55	.12	:10	.51	.06

1 No intensity record.



TABLE 53.—Rainfall at station 109 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 19-20			STORM OF MAY 15			STORM OF MAY 23-24—Con.			STORM OF MAY 29-30—Con.			STORM OF JUNE 8-9—Con.		
Apr. 19			May 15			May 24			May 30			June 8		
p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
7:30	0.54	0.12	11:00	0		5:00	0.53	0.03	1:45	0.47	0.24	4:23	0.14	0.60
:40	.57	.18	:15	.02	0.08	:20	.54	.03	:49	.47	0	:24	.23	4.80
:50	.58	.06	:30	.04	.08	:30	.56	.12	:50	.49	1.20	:25	.24	1.20
8:00	.61	.18	:45	.07	.12	:37	.56	0	:52	.51	.60	:28	.24	0
:05	.61	0	12:00	.10	.12	:40	.58	.40	:55	.52	.20	:30	.26	.60
:10	.64	.36				:45	.60	.24	4:00	.52	0	:50	.26	0
:20	.66	.12	p. m.			:50	.62	.24	:30	.53	.02	5:00	.28	.12
:30	.70	.24	12:15	.15	.20	:55	.64	.24	:45	.53	0			
:40	.73	.18	:30	.20	.20	6:00	.66	.24	5:00	.56	.12	June 9		
:50	.76	.18	:45	.24	.16	:10	.69	.18	6:07	.56	0	a. m.		
9:00	.79	.18	1:35	.24	0	:20	.72	.18	:10	.57	.20	1:15	.28	0
:10	.80	.06	:40	.25	.12	:25	.75	.36	:15	.58	.12	:20	.31	.36
:20	.84	.24	2:00	.26	.03	:28	.76	.20	:20	.61	.36	:25	.32	.12
:30	.85	.06	:20	.28	.06	:30	.79	.90	:30	.63	.12	:30	.35	.36
:40	.87	.12				:35	.82	.36	:40	.65	.12			
:50	.90	.18	STORM OF MAY 19			:40	.84	.24	7:30	.65	0	p. m.		
10:00	.94	.24	May 19			7:00	.93	.27	:45	.67	.08	3:55	.35	0
:10	1.01	.42	p. m.			:20	.98	.15	8:00	.68	.04	4:00	.38	.36
:20	1.06	.30	1:15	0	1.80	:40	1.01	.09	9:00	.72	.04	:05	.39	.12
:30	1.10	.24	:16	.03		:10	1.03	.30	:10	.74	.12	:08	.42	.60
:40	1.17	.42	:17	.09	3.60	:15	1.04	.12	:20	.76	.12	:10	.42	0
:50	1.20	.18	:18	.10	.60	:25	1.04	0	10:40	.76	0	5:40	.42	0
11:00	1.27	.42	:20	.10	0	:30	1.05	.12	:50	.78	.12	6:00	.43	.03
:10	1.35	.48	:25	.15	1.00	:40	1.06	.06	11:00	.79	.05	10:30	.43	0
:20	1.39	.24	:30	.17	.60	:50	1.08	.12	12:00	.79	0	:40	.44	.06
:30	1.43	.24	:05	.20	.20	9:00	1.11	.18				:50	.46	.12
:40	1.44	.06	:10	.22	.60	:05	1.12	.12	p. m.			11:00	.49	.18
:50	1.46	.12	:11	.24	1.20	:06	1.12	0	1:00	.80	.01	:40	.49	0
Apr. 20			:12	.27	1.80	:10	1.19	1.05	:15	.80	0	12:00	.50	.03
a. m.			:15	.30	.60	:20	1.21	.24	:30	.81	.04			
12:20	1.46	0	:16	.31	.60	:25	1.23	.24	2:00	.81	0	STORM OF JUNE 10-11		
:22	1.47	.30	:20	.33	.30	:30	1.26	.09	:30	.83	.04	June 10		
:25	1.47	0				:40	1.29	.09	3:00	.84	.02	p. m.		
1:00	1.47	0	STORM OF MAY 23-24			10:00	1.32	.09	:15	.85	.04	1:10	0	
:10	1.48	.06	May 23			:40	1.33	.03	:30	.87	.08	:15	.02	0.24
5:15	1.48	0	a. m.			:50	1.36	.18	:45	.88	.04	:20	.02	0
:20	1.49	.12	10:02	0	0.60	11:00	1.37	.06	4:00	.90	.08	:24	.04	.30
:30	1.50	.06	:03	.01		:10	1.39	.12	:15	.91	.04	:25	.09	3.00
:50	1.50	0	:04	.06	3.00	:20	1.41	.12	:30	.95	.16	:27	.20	3.30
6:00	1.52	.12	:05	.07	.60	:40	1.49	.24	:45	.98	.12	:30	.28	1.60
:05	1.52	0	11:00	.07	0	12:00	1.55	.18	5:00	1.01	.12	:32	.34	1.80
:10	1.54	.24	12:00	.08	.01				:15	1.03	.08	:35	.38	.80
:15	1.59	.60				STORM OF MAY 29-30			:30	1.04	.04	:37	.42	1.20
:20	1.61	.24	May 29			p. m.			:45	1.05	.04	:40	.45	.60
:25	1.66	.60	a. m.			12:20	1.56	.03	6:00	1.07	.08	:43	.50	1.00
:30	1.69	.36	10:02	0	0.60	:40	1.56	0	:15	1.08	.04	:45	.50	0
:35	1.72	.36	:03	.01		:50	1.57	.03	:30	1.10	.08	:57	.52	1.20
:40	1.73	.12	:04	.06	3.00	2:00	1.58	.03	:45	1.11	.04	:58	.52	0
:50	1.77	.24	:05	.07	.60	:04	1.59	0	7:00	1.13	.08	2:00	.52	0
7:00	1.79	.12	11:00	.07	0	:05	1.66	1.05	:30	1.14	.02	:17	.52	0
:05	1.80	.12	12:00	.08	.01	:10	1.66	0	8:00	1.16	.04	:20	.53	.20
:10	1.81	.12				:20	1.68	.24	:30	1.18	.04	:25	.55	.24
:15	1.81	0	p. m.				1.71	.18	9:00	1.20	.04	:30	.58	.36
:20	1.83	.24	1:00	.09	.01	STORM OF JUNE 7			:30	1.21	.02	:35	.59	.12
:25	1.85	.24	3:00	.09	0	June 7						:40	.61	.24
:30	1.86	.12	:30	.10	.02	a. m.			11:40	0		:45	.62	.12
:35	1.88	.24	4:00	.11	.02	12:00	.03	0.09	:15	.03		:50	.64	.60
:40	1.89	.12	:30	.12	.02				:30	.08		:55	.67	0
9:50	1.89	0	5:00	.13	.02	p. m.			12:20	.04	.03	:58	.73	1.20
10:00	1.90	.06	6:00	.13	0	12:20	.04	.03	:05	.08	.24	:10	.73	0
:30	1.90	0	:30	.14	.02	:40	.04	0						
:40	1.91	.06	10:30	.14	0	:50	.06	.12	STORM OF JUNE 8-9					
	2.00		11:00	.15	.02	1:00	.06	0	June 8					
			:30	.15	0	:05	.08	.24	a. m.					
			12:00	.16	.02				3:47	.64	0			
STORM OF MAY 6						May 30			:50	.66	.40			
May 6			May 24			a. m.			:55	.67	.12			
p. m.			a. m.			12:30	.28	0	:05	.73	1.20			
6:40	0		12:30	.17	.02	1:00	.29	.02						
:41	.11	6.60	:40	.18	.06	:10	.29	0	p. m.					
:42	.21	6.00	:50	.19	.06	:30	.32	.60	4:55	.03	.60			
:44	.32	3.30	1:00	.20	.06	:45	.36	.60	5:55	.04	.12			
:45	.36	2.40	:10	.20	0	11:00	.38	.08	:40	.08	0			
:46	.41	3.00	:20	.22	.12				2:40	.03				
:49	.51	2.00	:30	.24	.12				:45	.04	.12			
:50	.56	3.00	:40	.26	.12				:50	.08	.48			
:53	.66	2.00	2:00	.28	.06				4:17	.08	0			
:55	.69	.90	:20	.31	.09				:20	.11	.60			
7:00	.71	.24	:40	.35	.12									
:17	.71	0	:30	.42	.06									
:19	.72	.30	:40	.43	.06									
:20	.73	.60	4:00	.48	.15									
:22	.75	.60	:20	.51	.09									
:25	.75	0	:40	.52	.03									



TABLE 53.—*Rainfall at station 109 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 12			STORM OF JUNE 23			STORM OF JUNE 28--Con.			STORM OF JULY 11--Con.			STORM OF JULY 24		
June 12			June 23			June 28			July 11			July 24		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:15	0		8:26	0.03	(1)	9:18	1.36	0.90	4:40	0.02	0	8:41	0	
:18	.06	1.20	:28	.17	4.20	:20	1.37	.30	5:00	.03	.03	:45	.13	1.95
:20	.14	2.40	:30	.31	4.20	:30	1.40	.18	:04	.03	0	:47	.19	1.80
:21	.26	7.20	:32	.48	5.10	:40	1.43	.18	:05	.06	1.80	:50	.20	2.20
:23	.27	.30	:34	.58	3.00	:50	1.44	.06	:07	.09	.90	9:00	.21	.06
:25	.27	0	:35	.60	1.20	:55	1.45	.12	:10	.11	.40	:10	.23	.12
:30	.28	.12	:40	.63	.36	:57	1.46	.30	:12	.16	1.50	:20	.23	0
:35	.29	.12	:45	.65	.24	10:00	1.49	.60	:15	.19	.60	:25	.25	.24
			:50	.67	.24	:10	1.52	.18	:20	.20	.12			
8:57	0	0	:58	.68	.06	STORM OF JUNE 30-- JULY 1			23	.21	.80			
:58	.05	3.00	:10	.72	.24				25	.24	0	STORM OF JULY 26		
9:00	.19	4.20	:20	.75	.18				29	.26	.30			
:01	.28	5.40	:30	.78	.18				:30	.28	1.20			
:02	.36	4.80	:40	.81	.18				:35	.36	.96			
:03	.40	2.40	:50	.83	.12				:40	.38	.24			
:05	.43	.90	10:00	.84	.06				:50	.40	.12			
:10	.45	.24							6:16	.40	0			
:16	.45	0							:17	.42	1.20			
:18	.47	.60							:18	.43	.60			
:20	.47	0							:20	.43	0			
STORM OF JUNE 14									:40	.43	0			
June 14									:50	.44	.06			
<i>p. m.</i>									:53	.47	.60			
5:15	0	0.12							:55	.48	.30			
:20	.01	0.12							10:53	.48	0			
:30	.02	.06							:55	.49	.30			
:45	.02	0							11:00	.50	.12			
:50	.03	.12												
:55	.05	.24												
STORM OF JUNE 18														
June 18														
<i>a. m.</i>														
7:49	0	0.60												
:50	.01	0.60												
:53	.03	.40												
:55	.06	.90												
8:00	.07	.12												
:10	.08	.06												
:20	.11	.18												
:30	.14	.18												
:50	.14	0												
:55	.15	.12												
9:00	.15	0												
:05	.16	.12												
:10	.18	.24												
:20	.20	.12												
:30	.21	.06												
:35	.22	.12												
:40	.23	.12												
10:12	.23	0												
:15	.25	.40												
:18	.26	.20												
:20	.26	0												
11:04	.26	0												
:05	.27	.60												
:10	.30	.36												
:15	.32	.24												
:17	.36	1.20												
:20	.41	1.00												
:25	.41	0												
:28	.42	.20												
:30	.42	0												
<i>p. m.</i>														
3:30	0													
:35	.02	.24												
:40	.07	.60												
:42	.15	2.40												
:44	.25	3.00												
:45	.32	4.20												
:46	.38	3.60												
:48	.51	3.90												
:50	.63	3.60												
:52	.69	1.80												
:54	.78	2.70												
:55	.86	4.80												
:56	.94	4.80												
:58	.98	1.20												
4:00	1.00	.60												
:10	1.04	.24												
:20	1.06	.12												

<sup>1</sup> No intensity record



TABLE 53.—*Rainfall at station 109 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 25-26			STORM OF AUG. 27—Con.			STORM OF SEPT. 8			STORM OF SEPT. 24-25—Con.			STORM OF NOV. 5-6—Con.		
Aug. 25			Aug. 27			Sept. 8			Sept. 25			Nov. 5		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
7:24	0	0.03	7:30	2.00	0.24	8:15	0	2.70	1:40	0.98	0.21	2:00	0.48	0.06
8:00	.02	.01	:40	2.01	.06	:17	.09	1.60	2:00	1.03	.15	5:00	.48	0
9:00	.03	.01	:50	2.02	.06	:20	.17	1.60	:20	1.07	.12	:20	.49	.03
10:00	.03	0	8:00	2.03	.06	:30	.20	.18	:40	1.09	.06	:30	.49	0
:07	.04	.09	:10	2.03	0	:36	.21	.10	3:00	1.11	.06	:40	.50	.03
:10	.06	.40	:20	2.03	0	:38	.23	.60	4:00	1.13	.02			
:16	.10	.40	:30	2.04	.06	:40	.24	.30	5:00	1.15	.02			
:20	.11	.15	:35	2.08	.48	9:00	.28	.12	:30	1.15	0			
:40	.11	0	:40	2.32	2.88	:20	.36	.24						
11:00	.14	.09	:44	2.56	3.60	:30	.41	.30	STORM OF NOV. 1					
:08	.16	.15	:50	2.58	.20	:40	.45	.24	Nov. 1			12:43	.50	0
:16	.24	.60	9:00	2.61	.18	10:00	.46	.03	a. m.			1:00	.53	.11
:20	.26	.30	:10	2.63	.12	:14	.47	.04				:04	.54	.15
:40	.28	.06	:20	2.66	.18							2:00	.56	.02
12:00	.30	.06										7:20	.56	0
Aug. 26			STORM OF AUG. 29-30			STORM OF SEPT. 9-10						:40	.58	.06
a. m.			Aug. 29			Sept. 9								
12:10	.31	.06	p. m.			11:42	0	0.10						
:12	.35	1.20	3:24	0	0.40	12:00	.03	0.10	Nov. 1					
:16	.36	.15	:36	.08	.08				a. m.					
:18	.37	.30	:44	.09	.08	Sept. 10			6:30	0	0.04	STORM OF NOV. 10-11		
:20	.54	5.10	4:00	.10	.04	12:07	.05	.17	7:00	.02	.03	Nov. 10		
:22	.56	.60	:15	.10	0	:20	.09	.18	:20	.03	.03	p. m.	0	0.72
6:38	.56	0	:20	.19	1.08	:26	.10	.10	:28	.08	.09	11:55	.06	
7:00	.63	.19	:23	.23	.30	:40	.12	.09	:33	.14	.60	12:00		
STORM OF AUG. 27			:32	.28	.75	1:00	.15	.09	:40	.20	.53			
Aug. 27			:40	.28	0	:20	.17	.06	:43	.23	.60			
a. m.			5:00	.28	0	:46	.18	.04	:48	.29	.72			
12:32	0	0.08	:04	.28	0	:50	.20	.30	9:00	.31	.10			
:40	.01	0.08	:06	.38	3.00	:54	.23	.30	:12	.34	.15			
:46	.02	.10	:14	.39	.08	:50	.26	.30	:20	.37	.23			
:50	.22	3.00	:20	.43	.40	:56	.26	.30	:30	.39	.12			
:54	.25	.45	:40	.50	.21	:58	.28	.30	:40	.41	.12			
1:00	.27	.20	6:00	.55	.15	:54	.28	.30	10:00	.45	.12			



TABLE 53.—Rainfall at station 109 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF NOV. 26—Con.			STORM OF NOV. 26—Con.			STORM OF DEC. 12—Con.			STORM OF DEC. 12—Con.			STORM OF DEC. 16—Con.		
Nov. 26			Nov. 26			Dec. 12			Dec. 12			Dec. 16		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
1:40	0.20	0.24	7:00	0.84	0.06	7:00	0.04	0.06	2:30	0.41	0.03	2:00	0.27	0.16
2:00	.30	.30	:20	.88	.12	:30	.05	.02	:32	.42	.30	:30	.34	.14
:11	.36	.33	:40	.90	.06	8:00	.06	.02	:40	.44	.15	3:00	.41	.14
:20	.38	.13	8:00	.92	.06	9:00	.06	0	:50	.49	.30	:30	.47	.12
:30	.40	.12	:20	.92	0	:30	.07	.02	3:00	.50	.06	4:00	.49	.04
:40	.44	.24	:40	.93	.03	:50	.08	.03	:30	.57	.14	:30	.52	.06
3:00	.56	.36	9:00	.94	.03	10:00	.10	.12	4:00	.55	.02	5:00	.53	.02
:06	.58	.20	:20	.96	.06	:20	.11	.03	:20	.59	.03	6:00	.54	.01
:20	.63	.22	:40	.98	.06	:30	.12	.06				7:00	.55	.01
:40	.66	.09	:55	1.04	.24	11:00	.16	.08	STORM OF DEC. 16			8:00	.56	.01
4:00	.67	.03				:20	.18	.06				:30	.57	.02
:08	.68	.08	STORM OF DEC. 12			:40	.20	.06				9:00	.58	.02
:20	.70	.10	Dec. 12			12:00	.22	.06				10:00	.59	.01
:28	.72	.15	<i>a. m.</i>									11:00	.60	.01
:40	.73	.05	6:00	0	0.06	<i>p. m.</i>						12:00	.61	.01
5:00	.73	0	:20	.02		12:20	.26	.12	Dec. 16					
:20	.74	.03	:40	.03		:30	.28	.12	<i>a. m.</i>					
:40	.74	0	:50	.03	.02	:40	.30	.12	12:20	0	0.09			
6:00	.76	.00				1:00	.34	.12	:40	.03		<i>p. m.</i>		
:20	.78	.06				:30	.36	.04	1:00	.12	.27	:10	.64	.12
:40	.82	.12				2:00	.37	.02	:30	.19	.14	:20	.67	.18

TABLE 54.—Rainfall at station 110 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 6—Con.			STORM OF FEB. 10-11—Con.			STORM OF FEB. 18—Con.			STORM OF MAR. 2-4—Con.		
Jan. 14			Feb. 6			Feb. 10			Feb. 18			Mar. 2		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:20	0		9:20	0.17	0.06	5:30	0.25	0.12	1:20	0.23	0.06	4:40	0.22	0
:30	.04	0.24	:40	.21	.12	:40	.26	.06	:25	.24	.12	:50	.24	.12
:40	.10	.36	:50	.24	.18	:50	.29	.18	:30	.25	.12	5:00	.27	.18
:45	.12	.24	10:00	.29	.30	6:00	.30	.06	:35	.26	.12	:15	.32	.20
:50	.13	.12	:10	.33	.24	:10	.32	.12	:50	.26	0	:30	.35	.12
7:00	.14	.06	:15	.35	.24	:20	.35	.18	2:00	.27	.06	:40	.37	.12
:10	.17	.18	:20	.37	.24	:30	.36	.06	:20	.28	.03	8:40	.37	0
:20	.22	.30	:25	.38	.12	:40	.38	.12	:40	.31	.09	:50	.38	.06
:30	.26	.24	:45	.38	0	:50	.38	0	:50	.34	.18	9:00	.41	.18
:40	.31	.30	:50	.39	.12	7:00	.39	.06	3:00	.36	.12	:10	.45	.24
:50	.39	.48	11:00	.39	0	:10	.40	.06	:10	.37	.06	:20	.48	.18
8:00	.43	.24	:20	.40	.03	:20	.40	0	:20	.40	.18	:30	.49	.06
:10	.48	.30				:40	.41	.03	:30	.42	.12	:45	.51	.08
:12	.48	0	<i>p. m.</i>			8:00	.43	.06	:40	.44	.12	10:15	.51	0
:13	.49	.60	12:30	.40	0	:10	.44	.06	:50	.46	.12	:30	.52	.04
:15	.49	0	:40	.41	.06	:20	.45	.06	4:00	.48	.12	:45	.54	.08
:19	.49	0	:57	.41	0	:30	.46	.06	:10	.50	.12	11:00	.57	.12
:20	.50	.60	1:00	.43	.40	:40	.46	0	:20	.52	.12	:15	.62	.20
:30	.53	.18	:05	.44	.12	:43	.47	.20	:30	.54	.12	:30	.66	.16
:40	.57	.24	:10	.44	0	:45	.48	.30	:40	.56	.12	:45	.72	.24
:50	.59	.12	:15	.45	.12	12:00	.48	0	5:00	.59	.09	12:00	.76	.16
9:00	.60	.06	:25	.45	0				:20	.61	.06			
:10	.62	.12	:30	.47	.24	Feb. 11			:40	.62	.03	Mar. 3		
:20	.63	.06	:45	.47	0	<i>a. m.</i>			6:00	.62	0	12:15	.78	.08
:30	.64	.06	:50	.48	.12	12:05	.49	.12	:20	.65	.09	:30	.82	.16
:35	.64	0	4:05	.48	0	:10	.50	.12	:40	.65	0	:45	.87	.20
:37	.65	.30	:10	.50	.24	:15	.51	.12	7:00	.66	.03	:15	.92	.20
:40	.65	0	STORM OF FEB. 10-11			:20	.52	.12	8:30	.66	0	:30	.96	.16
:45	.65	0	Feb. 10			:30	.55	.18	9:00	.67	.02	:45	.99	.12
:50	.67	.24	<i>a. m.</i>			:40	.56	.06	:10	.68	.02	:15	1.02	.12
:55	.67	0	12:00	0					10:00	.69	.02	:30	1.04	.08
10:00	.70	.36	<i>p. m.</i>			STORM OF FEB. 18			:30	.70	.02	:45	1.06	.08
:10	.72	.01	1:00	.01	0.01	Feb. 18			11:00	.71	.02	:30	1.07	.04
:20	.75	.18	2:00	.02	.01	<i>a. m.</i>			12:00	.73	.04	:15	1.07	0
:30	.77	.12	3:46	.02	0	6:30	0	0.02		.74	.02	6:00	1.07	.01
:40	.79	.12	:48	.03	.30	7:00	.01	.02	STORM OF MAR. 2-4			7:00	1.08	.01
:50	.80	.06	:53	.04	.30	:30	.02	.02	Mar. 2			8:00	1.08	0
11:00	.81	.06	:55	.06	.60	8:00	.04	.04	<i>a. m.</i>			9:00	1.10	.02
	.86		:57	.07	.12	:30	.06	.04	5:03	0		10:00	1.11	.01
STORM OF FEB. 6			4:00	.07	.12	9:00	.08	.04	:15	.01	0.04			
Feb. 6			:05	.07	0	:30	.08	0	:30	.03	.08			
<i>a. m.</i>			:10	.10	.36	10:00	.09	.02	:45	.04	.04			
6:40	0		:15	.11	.12	:11	.09	0	:15	.10	.12			
7:00	.02	0.06	:20	.12	.12	:20	.11	.04	:30	.12	.08			
:20	.04	.06	:30	.14	.12	:30	.14	.06	:45	.14	.08			
:40	.06	.06	:40	.18	.24				10:00	.15	.04			
8:00	.06	0	:56	.18	0	<i>p. m.</i>			:15	.17	.08			
:20	.09	.09	5:00	.19	.15	12:20	.17	.09	:30	.19	.08			
:40	.12	.09	:10	.22	.18	:40	.19	.06	11:00	.21	.04			
:50	.13	.06	:20	.23	.06	1:00	.21	.06	:30	.22	.02			



TABLE 54.—Rainfall at station 110 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAR. 2-4—Con.			STORM OF APR. 3			STORM OF APR. 11-12—Con.			STORM OF APR. 19-20—Con.			STORM OF APR. 19-20—Con.		
Mar. 3			Apr. 3			Apr. 11			Apr. 19			Apr. 19		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
9:30.....	1.36	0	12:10.....	0	0.12	3:50.....	0.36	0.06	12:03.....	0.10	0.20	11:09.....	1.44	0.30
40.....	1.44	.48	15.....	.01	0.12	54.....	.37	.15	06.....	.11	.20	13.....	1.48	.60
50.....	1.47	.18	18.....	.02	.20	4:00.....	.38	.10	08.....	.12	.30	20.....	1.53	.43
10:00.....	1.50	.18	20.....	.07	1.50	13.....	.39	.05	12.....	.13	.15	23.....	1.54	.20
15.....	1.53	.12	25.....	.08	.12	20.....	.40	.09	20.....	.14	.07	24.....	1.55	.60
30.....	1.55	.08	30.....	.08	0	30.....	.42	.12	23.....	.15	.20	28.....	1.56	.15
35.....	1.56	.12	40.....	.10	.12	42.....	.43	.05	27.....	.16	.15	30.....	1.57	.30
38.....	1.57	.20	2:13.....	.10	0	5:00.....	.44	.03	30.....	.16	0	40.....	1.60	.18
11:20.....	1.57	0	15.....	.12	.60	10.....	.45	.06	36.....	.17	.10	42.....	1.61	.30
30.....	1.58	.06	16.....	.16	2.40	14.....	.46	.15	42.....	.18	.10	50.....	1.62	.07
Mar. 4			18.....	.23	2.10	20.....	.46	0	55.....	.19	.05	51.....	1.63	.60
a. m.			20.....	.24	.30	21.....	.47	.60	1:00.....	.19	0	12:00.....	1.63	0
12:15.....	1.58	0	6:08.....	.24	0	30.....	.48	.07	10.....	.20	.06	Apr. 20		
30.....	1.60	.08	10.....	.26	.60	30.....	.51	.06	30.....	.22	.04	a. m.		
45.....	1.60	0	STORM OF APR. 7-8			40.....	.55	.08	42.....	.23	.05	12:10.....	1.64	.06
1:00.....	1.61	.04	Apr. 7			50.....	.58	.18	2:00.....	.23	0	20.....	1.64	0
15.....	1.63	.08	p. m.			56.....	.61	.10	30.....	.24	0	30.....	1.65	.06
STORM OF MAR 18			4:30.....	0.02	(1)	7:00.....	.62	.15	33.....	.24	.60	5:01.....	1.65	0
Mar. 18			5:00.....	.03	0.02	08.....	.63	.07	30.....	.27	.05	25.....	1.66	.02
p. m.			30.....	.04	.02	10.....	.64	.30	30.....	.28	.02	30.....	1.67	.12
5:25.....	0	0.12	40.....	.06	.12	16.....	.66	.20	36.....	.29	.10	34.....	1.68	.15
30.....	.01	0	50.....	.10	.24	18.....	.67	.30	4:00.....	.30	.02	6:00.....	1.69	.02
45.....	.01	0	6:00.....	.14	.24	20.....	.69	.60	30.....	.32	.04	10.....	1.70	.06
50.....	.02	.12	05.....	.15	.12	23.....	.71	.40	46.....	.33	.03	14.....	1.71	.15
55.....	.05	.36	40.....	.15	0	30.....	.73	.17	54.....	.35	.15	17.....	1.72	.20
6:00.....	.07	.24	50.....	.16	.06	36.....	.74	.10	5:00.....	.36	.10	20.....	1.73	.30
05.....	.08	.12	7:10.....	.16	0	40.....	.76	.30	08.....	.37	.07	21.....	1.74	.60
10.....	.10	.24	20.....	.17	.06	43.....	.77	.20	18.....	.39	.15	25.....	1.78	.60
15.....	.14	.48	25.....	.18	.12	48.....	.78	.12	30.....	.41	.10	28.....	1.80	.24
20.....	.18	.48	10:40.....	.18	0	50.....	.78	0	34.....	.42	.15	30.....	1.82	.60
25.....	.20	.24	45.....	.19	.12	53.....	.79	.20	40.....	.43	.10	33.....	1.85	.60
30.....	.21	.12	50.....	.21	.24	8:00.....	.81	.17	49.....	.44	.07	37.....	1.87	.30
40.....	.22	.06	55.....	.21	0	07.....	.82	.09	54.....	.45	.12	40.....	1.89	.40
50.....	.23	.06	11:00.....	.22	.12	10.....	.83	.40	59.....	.45	0	41.....	1.90	.60
7:00.....	.24	.06	05.....	.23	.12	20.....	.87	.24	6:00.....	.46	.60	49.....	1.91	.07
STORM OF MAR. 30			08.....	.23	0	30.....	.89	.12	12.....	.47	.05	50.....	1.92	.60
Mar. 30			10.....	.24	.30	38.....	.91	.15	30.....	.49	.07	51.....	1.93	.60
a. m.			15.....	.26	.24	40.....	.91	0	33.....	.50	.20	55.....	1.95	.40
5:00.....	.02	(1)	STORM OF APR. 11-12			47.....	.92	.09	42.....	.51	.07	7:00.....	1.97	.24
15.....	.03	0.04	Apr. 11			50.....	.93	.20	45.....	.52	.20	06.....	1.99	.20
30.....	.04	.04	p. m.			54.....	.96	.45	50.....	.53	.12	10.....	1.99	0
45.....	.05	.04	12:40.....	0	0.03	56.....	.96	0	54.....	.54	.15	14.....	2.00	.15
6:00.....	.07	.08	1:00.....	.01	0.03	9:00.....	.98	.30	7:00.....	.54	0	20.....	2.01	.12
15.....	.09	.08	2:00.....	.02	.20	04.....	1.00	.30	04.....	.55	.15	27.....	2.02	.09
30.....	.11	.08	30.....	.03	.06	10.....	1.02	.20	08.....	.57	.30	30.....	2.03	.20
45.....	.15	.16	40.....	.06	.06	12.....	1.03	.30	30.....	.59	.05	32.....	2.04	.30
7:00.....	.16	.04	50.....	.09	.04	20.....	1.04	.07	33.....	.60	.20	35.....	2.05	.20
15.....	.18	.08	6:30.....	.37	0	26.....	1.05	.10	36.....	.61	.20	40.....	2.07	.24
30.....	.19	.04	7:00.....	.38	.02	30.....	1.06	.15	40.....	.62	.15	50.....	2.08	.06
45.....	.21	.03	23.....	.39	0	40.....	1.10	.24	8:00.....	.66	.08	57.....	2.09	.09
8:15.....	.21	0	30.....	.39	0	47.....	1.12	.17	10.....	.68	.12	8:37.....	2.09	0
30.....	.22	.04	32.....	.40	.30	50.....	1.12	0	20.....	.71	.18	9:00.....	2.10	.03
45.....	.23	.04	35.....	.40	0	55.....	1.14	.20	21.....	.72	.60	10:00.....	2.11	.01
9:00.....	.24	.04	STORM OF APR. 19-20			10:00.....	1.16	.24	28.....	.74	.17	20.....	2.12	.03
15.....	.25	.04	Apr. 19			107.....	1.18	.20	30.....	.76	.60	11:00.....	2.13	.01
30.....	.26	.04	p. m.			110.....	1.19	.20	36.....	.78	.30	31.....	2.14	.02
10:00.....	.26	0	12:40.....	0	0.03	115.....	1.20	.12	38.....	.79	.30	STORM OF MAY 6		
15.....	.27	.04	1:00.....	.02	0.03	117.....	1.22	.60	40.....	.80	.30	May 6		
11:40.....	.27	0	2:00.....	.06	.06	120.....	1.23	.20	44.....	.81	.15	p. m.		
50.....	.28	.06	25.....	.08	.12	34.....	1.25	.15	50.....	.82	.10	6:40.....	0	3.60
56.....	.28	0	30.....	.09	.04	40.....	1.26	.10	50.....	.85	.18	42.....	.12	1.80
57.....	.30	1.20	40.....	.10	.06	50.....	1.27	.06	8:00.....	.88	.30	43.....	.15	3.00
STORM OF APR. 11-12			50.....	.13	.18	1:00.....	1.28	.06	10.....	.88	0	44.....	.22	4.20
Apr. 11			59.....	.17	.26	10.....	1.29	.06	20.....	.90	.40	45.....	.27	3.00
p. m.			3:00.....	.17	0	10.....	1.30	.06	30.....	.94	.15	49.....	.38	1.65
12:40.....	0	0.03	01.....	.18	.60	10.....	1.31	.06	40.....	.96	.12	50.....	.43	3.00
1:00.....	.01	0.03	10.....	.21	.20	12:00.....	1.32	.02	44.....	.97	.15	51.....	.49	3.60
20.....	.02	.03	12.....	.22	.30	Apr. 12			48.....	.98	.15	55.....	.59	1.50
30.....	.03	.06	15.....	.24	.40	a. m.			50.....	.99	.30	7:00.....	.62	.36
45.....	.06	.06	18.....	.26	.40	12:30.....	1.33	.02	54.....	1.00	.15	10.....	.63	.06
1:00.....	.44	.20	20.....	.28	.60	STORM OF APR. 19-20			10:00.....	1.02	.20	15.....	.64	.12
15.....	.49	.20	24.....	.29	.15	Apr. 19			20.....	1.04	.20	20.....	.64	0
30.....	.54	.20	30.....	.31	.20	a. m.			30.....	1.07	.45	23.....	.67	.60
45.....	.58	.16	36.....	.33	.20	10:30.....	0	0.04	35.....	1.10	.36	STORM OF MAY 15		
2:00.....	.60	.08	38.....	.35	.60	11:00.....	.02	.07	40.....	1.14	.48	May 15		
15.....	.62	.08	40.....	.35	0	08.....	.03	.07	44.....	1.17	.45	a. m.		
30.....	.63	.04	40.....	.35	0	11.....	.04	.20	49.....	1.19	.20	11:00.....	0	0.06
45.....	.64	.04	40.....	.35	0	30.....	.04	0	50.....	1.22	.36	10.....	.01	0.06
3:00.....	.68	.16	40.....	.35	0	35.....	.05	.12	53.....	1.23	.30	20.....	.03	.12
15.....	.71	.12	40.....	.35	0	44.....	.06	.07	57.....	1.25	.60	30.....	.04	.06
30.....	.74	.12	40.....	.35	0	49.....	.07	.12	1:00.....	1.36	.20	40.....	.06	.12
45.....	.76	.08	40.....	.35	0	55.....	.08	.10	20.....	1.40	.48	50.....	.07	.06
4:00.....	.78	.08	40.....	.35	0	12:00.....	.09	.12	30.....	1.43	.90	12:00.....	.08	.06
15.....	.80	.08												
30.....	.81	.04												
5:00.....	.82	.02												
	.85													

<sup>1</sup> No intensity record.



TABLE 54.—Rainfall at station 110 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 15—Con.			STORM OF MAY 23-24—Continued			STORM OF MAY 29-30—Con.			STORM OF JUNE 8—Con.		
May 15			May 24			May 30			June 8		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:10	0.11	0.18	7:15	0.96	0.16	4:50	0.51	0.12	4:52	0.13	1.20
:20	.15	.24	:30	.97	.04	5:00	.52	.06	:53	.23	6.00
:30	.18	.18	:45	.98	.04	:30	.52	0	:55	.24	.30
:40	.20	.12	8:00	.99	.04	6:00	.53	.02	:58	.29	1.00
1:00	.21	.06	:10	1.02	.18	:06	.53	0	5:00	.29	0
:40	.21	0	:20	1.03	.06	:10	.54	.15	:30	.29	0
:50	.22	.06	:30	1.04	.06	:15	.55	.12	6:00	.30	.02
2:00	.23	.06	:40	1.05	.06	:20	.59	.48	:30	.31	.02
:10	.24	.06	:45	1.06	.12	:30	.61	.12			
:20	.26	.12	:46	1.07	.60	7:25	.61	0	STORM OF JUNE 9-10		
STORM OF MAY 19			:47	1.10	1.80	:30	.62	.12	June 9		
May 19			:50	1.11	.20	:35	.63	.12	<i>a. m.</i>		
<i>p. m.</i>			:56	1.11	0	:40	.65	.24	1:45	0	-----
1:17	0	-----	9:00	1.12	.15	8:00	.65	0	:04	.04	0.48
:18	.02	1.20	:05	1.13	.12	:15	.67	.08	:50	.05	.12
:19	.05	1.80	:08	1.17	.80	:30	.68	.04	:55	.05	.12
2:52	.05	0	:10	1.18	.30	:45	.70	.08	2:00	.09	.48
:53	.07	1.20	:15	1.20	.24	9:00	.72	.08	<i>p. m.</i>		
:55	.12	1.50	:30	1.24	.16	10:40	.74	0	4:25	.09	0
:57	.15	.90	:45	1.26	.08	:10	.73	.06	:30	.11	.24
:59	.16	.30	10:00	1.29	.12	:20	.74	.06	:35	.13	.24
3:00	.16	0	:15	1.32	.12	11:00	.75	.06	11:05	.13	0
:05	.18	.24	:35	1.32	0	<i>p. m.</i>			:10	.14	.12
:10	.19	.12	:40	1.33	.12	1:00	.76	0	:20	.16	.12
:13	.26	1.40	:43	1.34	.20	:30	.78	.04	:30	.17	.06
:15	.29	.90	:45	1.35	.30	:45	.79	.02	12:00	.17	0
:16	.30	.60	11:00	1.36	.12	:30	.80	.02	June 10		
:17	.35	3.00	:10	1.37	.06	:45	.81	.04	<i>a. m.</i>		
:20	.36	.12	:14	1.39	.15	3:00	.82	.04	12:20	.18	.03
:30	.38	.12	:15	1.40	.60	:15	.84	.08	1:00	.18	0
STORM OF MAY 23-24			:20	1.41	.12	:30	.86	.08	:30	.19	.02
May 23			:25	1.43	.24	:45	.88	.08	<i>p. m.</i>		
<i>p. m.</i>			:30	1.45	.24	4:00	.89	.04	1:10	0	-----
2:30	0	-----	:45	1.51	.24	:15	.90	.04	:15	.02	.24
:30	.02	0.04	12:00	1.55	.16	:30	.94	.16	:24	.02	0
:30	.03	.02	<i>p. m.</i>			:45	.98	.16	:25	.05	1.80
4:00	.04	.02	12:30	1.56	.02	5:00	1.00	.08	:26	.10	3.00
:30	.05	.02	1:00	1.57	.02	:15	1.02	.08	:30	.23	1.95
5:00	.06	.02	:30	1.58	.02	:30	1.03	.04	:31	.28	3.00
6:00	.06	0	2:00	1.59	.02	:45	1.04	.04	:34	.30	.40
:30	.07	.02	:03	1.65	1.20	6:00	1.08	.16	:37	.34	2.40
7:00	.08	.02	:05	1.66	.30	:15	1.09	.04	:40	.41	.80
10:00	.08	0	:10	1.68	.24	:30	1.11	.08	:45	.43	.24
11:00	.09	.01	:15	1.69	.12	:45	1.13	.08	2:20	.43	0
12:00	.10	.01	:20	1.70	.12	7:00	1.14	.04	:30	.45	.12
STORM OF MAY 29-30						:15	1.14	0	:40	.47	.12
May 29						:30	1.16	.08	:45	.49	.12
<i>p. m.</i>						:45	1.17	.04	3:00	.45	0
5:00	0	-----				8:00	1.18	.04	:10	.47	.12
6:00	.02	0.02				:15	1.20	.08	:20	.49	.12
:30	.02	0				:30	1.21	.04	:30	.50	.06
:33	.10	1.60				:45	1.22	.04	:40	.51	.06
:35	.11	.30				9:00	1.23	.04	4:00	.51	0
:40	.12	.12				STORM OF JUNE 7			:10	.52	.06
:50	.13	.06				June 7			7:00	.52	0
9:38	.13	0				<i>a. m.</i>			:10	.53	.06
:40	.14	.30				11:35	0	-----			
:45	.16	.24				:40	.01	0.12			
:50	.18	.24				:45	.03	.24			
10:00	.19	.06				:50	.04	.12			
:10	.22	.18				<i>p. m.</i>					
:20	.23	.06				12:30	.04	0			
:25	.24	.12				:40	.05	.06			
:30	.27	.18				:50	.05	0			
:40	.28	.06				1:00	.06	.06			
:50	.30	.12				:10	.09	.18			
3:00	.30	0				STORM OF JUNE 8					
:15	.34	.16				June 8					
:30	.37	.12				<i>a. m.</i>					
:45	.41	.16				6:50	0	-----			
4:00	.45	.16				:55	.03	0.36			
:15	.47	.08				7:50	.03	0			
:30	.48	.04				8:00	.04	.06			
:45	.49	.04				<i>p. m.</i>					
5:00	.50	.04				3:21	0	-----			
:15	.51	.04				:23	.01	.30			
:30	.52	.04				:25	.01	0			
:35	.53	.12				:27	.01	0			
:40	.55	.24				:30	.05	.80			
:45	.57	.24				4:47	.05	0			
:50	.59	.24				:50	.09	.80			
6:00	.63	.24				STORM OF JUNE 11					
:10	.67	.24				June 11					
:20	.70	.18				<i>a. m.</i>					
:25	.73	.36				3:47	0	-----			
:30	.78	.60				:50	.01	0.20			
:40	.83	.30				:55	.04	.36			
:50	.87	.24				4:05	.04	0			
7:00	.92	.30				:07	.07	.90			
						:10	.08	.20			
						:13	.09	.20			
						:15	.09	0			
						5:00	.09	0			
						:30	.10	.02			
						<i>p. m.</i>					
						12:20	0	-----			
						:23	.01	.20			
						:24	.04	1.80			
						:25	.05	.60			
						1:05	.05	0			
						:10	.06	.12			
						:26	.06	0			
						:30	.11	.75			
						:32	.15	1.20			
						:35	.18	.60			
						:39	.19	.15			
						:40	.21	1.20			
						:42	.27	1.80			
						:45	.32	1.00			
						STORM OF JUNE 12					
						June 12					
						<i>a. m.</i>					
						7:51	0	-----			
						:55	.07	1.05			
						8:00	.09	.24			
						:10	.12	.18			
						:20	.15	.18			
						:30	.17	.12			
						:42	.17	0			
						:43	.21	2.40			
						:45	.22	.30			
						9:00	.22	0			
						:05	.23	.12			
						:10	.24	.12			
						:20	.25	.06			
						:30	.26	.06			
						:33	.28	.40			
						:35	.28	0			
						:38	.28	0			
						:40	.29	.30			
						10:12	.29	0			
						:15	.30	.20			
						:20	.32	.24			
						11:06	.32	0			
						:10	.35	.45			
						:15	.37	.24			
						:20	.44	.84			
						:22	.45	.30			
						:25	.45	0			
						:28	.45				



TABLE 54.—Rainfall at station 110 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 23			STORM OF JUNE 30-JULY 1			STORM OF JULY 22			STORM OF AUG. 14			STORM OF AUG. 29—Con.		
June 23			June 30			July 22			Aug. 14			Aug. 29		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
8:23-----	0.03		4:00-----	0		3:00-----	0		1:32-----	0		4:16-----	0.12	0.15
:30-----	.16	3.90	:10-----	.02	0.12	:04-----	.15	2.25	:36-----	.03	0.45	:18-----	.16	1.20
:32-----	.31	4.50	5:05-----	.02	0	:07-----	.15	0	2:01-----	.03	0	:20-----	.22	1.80
:33-----	.39	4.80	:10-----	.03	.12	:10-----	.31	3.20	:07-----	.07	.40	:22-----	.25	.90
:35-----	.50	3.30	:20-----	.04	.06	:11-----	.37	3.60	:12-----	.11	.48	:24-----	.29	1.20
:40-----	.57	.84	:35-----	.04	0	:16-----	.44	.84	:20-----	.11	0	:28-----	.31	.30
:45-----	.58	.12	:40-----	.05	.12	:20-----	.51	1.05	:22-----	.13	.60	:32-----	.35	.60
:50-----	.60	.24	:50-----	.07	.12	:22-----	.60	2.70	:24-----	.16	.90	5:02-----	.35	0
:55-----	.61	.12	6:25-----	.07	0	:26-----	.64	.60	:26-----	.18	.60	:06-----	.47	1.80
9:00-----	.62	.12	:30-----	.08	.12	:30-----	.67	.45	:28-----	.25	2.10	:12-----	.48	.10
:05-----	.63	.12	:35-----	.10	.24	:35-----	.68	.12	:32-----	.27	.30	:18-----	.54	.60
:10-----	.65	.24	:40-----	.11	.12	:39-----	.75	1.05	3:00-----	.28	.02	:30-----	.58	.20
:20-----	.68	.18	:45-----	.13	.24	5:15-----	.75	0	4:00-----	.29	.01	:40-----	.61	.18
:30-----	.71	.18	:55-----	.13	0	:17-----	.81	1.80	5:07-----	.29	0	:50-----	.64	.18
:40-----	.74	.18	7:00-----	.14	.12	:20-----	.83	.40	:08-----	.31	1.20	6:00-----	.66	.12
:50-----	.76	.12	:21-----	.14	0	:24-----	.85	.30	:11-----	.34	.60	:30-----	.68	.04
10:00-----	.77	.06	:25-----	.16	.30	8:34-----	.85	0	:20-----	.35	.07	:36-----	.69	.10
STORM OF JUNE 25			:40-----	.16	0	:40-----	.89	.40	:23-----	.39	.80	:42-----	.76	.70
June 25			:45-----	.17	.12	:42-----	.90	.30	:52-----	.39	0	:50-----	.77	.08
p. m.			9:43-----	.17	0	STORM OF JULY 23			6:00-----	.44	.38	7:00-----	.79	.12
6:40-----	0		:45-----	.18	.30	July 23			Aug. 18			:30-----	.80	.02
:50-----	.01	0.06	:50-----	.19	.12	p. m.			p. m.			8:00-----	.85	.10
7:00-----	.03	.12	10:00-----	.21	.60	12:24-----	0		:04-----	.10	1.50	STORM OF AUG. 30		
:03-----	.03	0	:10-----	.22	.06	:28-----	.04	0.60	:13-----	.11	.07	Aug. 30		
:05-----	.06	.90	:20-----	.23	.06	:30-----	.12	2.40	:15-----	.20	2.70	a. m.		
:08-----	.09	.60	:27-----	.23	0	:32-----	.16	1.20	:17-----	.30	3.00	1:00-----	0	
:10-----	.12	.90	:30-----	.25	.40	:40-----	.19	.23	:18-----	.40	6.00	:40-----	.01	0.02
:15-----	.16	.48	:40-----	.29	.24	1:00-----	.20	.03	:20-----	.50	3.00	:50-----	.03	.12
:40-----	.16	0	:45-----	.29	0	2:00-----	.21	.01	:24-----	.52	.30	2:00-----	.05	.12
:50-----	.18	.12	:50-----	.31	.24	5:00-----	.21	0	:27-----	.58	1.20	:30-----	.06	.02
STORM OF JUNE 26			:55-----	.33	.24	:06-----	.27	.60	3:00-----	.61	.60	4:00-----	.07	.01
June 26			11:00-----	.35	.24	:08-----	.36	2.70	:34-----	.63	.30	5:00-----	.11	.04
p. m.			:05-----	.36	.12	6:00-----	.37	.01	:36-----	.64	.02	6:00-----	.13	.02
12:19-----	0		:10-----	.39	.36	7:34-----	.37	0	7:00-----	.64	0	:20-----	.18	.15
:20-----	.01	0.60	:17-----	.39	0	:40-----	.42	.50	:40-----	.64	0	:40-----	.28	.30
:25-----	.08	.84	:20-----	.40	.20	:41-----	.46	2.40	:36-----	.66	.03	:50-----	.35	.42
:40-----	.08	0	:30-----	.46	.36	:44-----	.63	3.40	STORM OF AUG. 25-26			7:00-----	.45	.60
:45-----	.09	.12	:40-----	.51	.30	:45-----	.77	8.40	Aug. 25			:10-----	.51	.36
1:05-----	.09	0	:50-----	.55	.24	:46-----	.84	4.20	p. m.			:20-----	.55	.24
:10-----	.10	.12	12:00-----	.56	.06	:50-----	.94	1.50	7:24-----	0		:30-----	.59	.24
:20-----	.11	.06	STORM OF JULY 1			:56-----	1.04	1.00	:34-----	.03	0.18	:45-----	.63	.16
:30-----	.12	.06	July 1			8:00-----	1.05	.15	:36-----	.04	0	:50-----	.65	.08
STORM OF JUNE 28			a. m.			STORM OF JULY 24			STORM OF AUG. 25-26			8:00-----	.75	.08
June 28			12:05-----	.58	.24	July 24			Aug. 25			9:00-----	.71	.12
a. m.			:05-----	.59	.12	p. m.			7:24-----	0		9:00-----	.75	.08
7:45-----	0		:10-----	.60	.06	8:42-----	0		:34-----	.03	0.18	:30-----	.78	.06
:47-----	.07	2.10	:20-----	.60	.06	:44-----	.05	1.50	:36-----	.04	.02	10:00-----	.86	.16
:48-----	.12	3.00	:30-----	.60	0	:46-----	.13	2.40	8:00-----	.04	0	:10-----	.88	.12
:50-----	.23	3.30	:40-----	.66	.0	:48-----	.20	2.10	10:08-----	.04	0	:20-----	.94	.36
:52-----	.29	1.80	:40-----	.67	.06	:54-----	.22	.20	:12-----	.07	.45	:30-----	.99	.30
:53-----	.31	1.20	:40-----	.67	0	9:00-----	.24	.20	:17-----	.08	.12	:40-----	1.06	.42
:55-----	.36	1.50	:40-----	.67	0	:10-----	.25	.06	:22-----	.13	.60	:50-----	1.10	.12
:58-----	.38	.24	:40-----	.67	0	:30-----	.26	.03	11:00-----	.14	.02	:10-----	1.12	.12
:04-----	.38	0	:40-----	.67	0	:50-----	.27	.03	:16-----	.15	.06	:20-----	1.14	.12
:05-----	.41	1.80	STORM OF JULY 11			STORM OF JULY 26			12:00-----	.30	.04	:40-----	1.16	.06
:07-----	.43	.60	July 11			July 26			Aug. 26			12:00-----	1.20	.12
:10-----	.44	.20	p. m.			p. m.			a. m.			STORM OF SEPT. 8		
:12-----	.52	2.40	1:40-----	0		5:30-----	0		12:11-----	.30	0	Sept. 8		
:15-----	.62	2.00	:42-----	.02	0.60	6:20-----	.04	0.05	:14-----	.35	1.00	a. m.		
:16-----	.63	.60	:44-----	.03	.30	:25-----	.06	.24	:18-----	.37	.30	8:15-----	0	
:20-----	.63	0	4:27-----	.03	0	:30-----	.07	.12	:20-----	.48	3.30	:19-----	.11	1.65
:20-----	.63	0	:30-----	.04	.20	:48-----	.20	2.10	:22-----	.59	3.30	:20-----	.18	4.20
:57-----	.63	0	:32-----	.05	.30	:54-----	.22	.20	:24-----	.68	2.70	:30-----	.21	.18
:59-----	.68	1.50	5:02-----	.05	0	9:00-----	.24	.20	6:05-----	.68	0	:40-----	.23	.12
9:00-----	.72	2.40	:04-----	.11	1.80	:10-----	.25	.06	:20-----	.69	.04	:50-----	.27	.12
:02-----	.85	3.90	:16-----	.22	.20	:30-----	.26	.03	:40-----	.69	0	:10-----	.29	.12
:05-----	.90	1.00	:18-----	.24	.60	:50-----	.27	.03	:50-----	.71	.12	:20-----	.34	.30
:10-----	.94	.48	:20-----	.31	2.10	8:00-----	.31	.60	7:00-----	.72	.06	:30-----	.38	.24
:12-----	1.10	4.80	:26-----	.32	.10	:30-----	.35	.80	8:00-----	.73	.01	:40-----	.40	.12
:13-----	1.12	1.20	:28-----	.33	.30	:50-----	.41	1.20	STORM OF AUG. 29			10:00-----	.43	.09
:15-----	1.13	.30	:30-----	.39	1.80	7:20-----	.08	0	Aug. 29			11:00-----	.44	.01
:17-----	1.13	0	:36-----	.45	.60	:22-----	.14	1.80	p. m.			12:00-----	.45	.01
:20-----	1.15	.40	:40-----	.46	.15	:26-----	.23	1.35	3:22-----	0				
:30-----	1.18	.18	6:12-----	.46	0	:30-----	.24	.15	:30-----	.06	0.45			
:40-----	1.21	.18	:14-----	.49	.90	:50-----	.24	0	:36-----	.09	.30			
:50-----	1.22	.06	:50-----	.49	0	8:00-----	.31	.60	:40-----	.10	.15			
10:00-----	1.26	.24	:52-----	.52	.90	:30-----	.41	0	:40-----	.11	.03			
:10-----	1.28	.12	11:02-----	.55	.81	:26-----	.45	.60	:12-----	.11	0			
:15-----	1.29	.12												
:40-----	1.29	0												
12:00-----	1.30	.03												

1 No intensity record.



TABLE 54.—*Rainfall at station 110 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity			
STORM OF SEPT. 9-10			STORM OF NOV. 1—Con.			STORM OF NOV. 10-11—Continued			STORM OF DEC. 12—Con.			STORM OF DEC. 27-30—Continued					
Sept. 9			Nov. 1			Nov. 11			Dec. 12			Dec. 27					
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>			
11:40	0		8:30	0.14	0.10	1:00	0.09	0.02	9:00	0.03	0.01	8:00	0.36	0.01			
12:00	0.04	0.12	:36	.20	.60	2:00	.12	.03	:39	.04	.02	9:00	.37	.01			
Sept. 10			:40	.22	.30	3:00	.17	.05	10:00	.05	.03	:38	.38	.02			
<i>a. m.</i>			:46	.31	.90	:10	.19	.12	11:00	.08	.03	10:00	.39	.03			
12:10	.06	.12	:50	.33	.30	:20	.22	.18	12:00	.10	.02	11:00	.40	.01			
:20	.10	.24	9:00	.35	.12	:30	.28	.36	<i>p. m.</i>			:40	.41	.02			
:30	.13	.18	:20	.40	.15	:40	.31	.18	12:20	.11	.03	12:00	.42	.03			
:38	.18		:40	.45	.15	:50	.36	.30	:26	.13	.20	Dec. 28					
:40	.16	.18	10:00	.47	.06	4:00	.37	.06	:42	.15	.08	<i>a. m.</i>					
1:00	.17	.03	:10	.51	.24	5:00	.40	.03	1:00	.16	.03	1:00	.43	.01			
:20	.18	.03	:30	.57	.18	:12	.43	.15	:14	.17	.04	2:00	.44	.01			
:30	.20	.12	:50	.63	.18	6:54	.43	0	:24	.19	.12	3:00	.45	.01			
:40	.21	.06	11:00	.67	.24	7:00	.44	.10	2:00	.20	.02	:45	.46	.01			
:44	.25	.60	:10	.73	.36	:10	.48	.24	:12	.21	.06						
:50	.27	.20	:16	.77	.40	:16	.52	.40	:18	.24	.30						
2:00	.32	.30	:20	.79	.30	:45	.52	0	:25	.26	.17						
:10	.36	.24	:35	.82	.12	:50	.55	.36	:47	.27	.03						
:30	.37	.03	:40	.85	.36	8:17	.55	0	3:00	.28	.05						
3:00	.38	.02	12:00	.89	.12	:27	.56	.06	:44	.30	.03						
4:00	.40	.02	<i>p. m.</i>			:30	.60	.80	:51	.32	.17						
STORM OF SEPT. 24-25			1:00	.90	.01	:40	.65	.30	4:00	.32	0						
Sept. 24			2:00	.90	0	:50	.68	.18	5:00	.33	.01						
<i>a. m.</i>			3:00	.91	.01	9:00	.69	.06	:11	.35	.11						
7:00	0	0.02	4:00	.92	.01	10:00	.72	.03	:17	.36	.10						
:30	.01	0.06	:20	.93	.03	:30	.75	.06	:27	.39	.18						
:50	.03	.06	:30	.94	.06	11:00	.80	.12	:35	.43	.30						
8:00	.04	.06	5:00	.95	.02	:20	.83	.09	6:00	.50	.17						
10:00	.04	0	:30	.97	.04	12:00	.86	.02	:23	.55	.11						
11:04	.05	.16	6:22	.97	0	<i>p. m.</i>			7:00	.56	.02						
:10	.08	.30	:32	.99	.12	4:00	.86	0	:28	.57	.01						
:20	.10	.12	:50	1.01	.07	:30	.87	.02	8:00	.57	0						
STORM OF SEPT. 25			7:00	1.10	.54	6:00	.87	0	:20	.58	.03						
<i>a. m.</i>			:10	1.18	.48	:10	.88	.06									
12:30	.85	.10	:14	1.20	.30	:20	.90	.12									
:10	.91	.12				:27	.94	.34									
:30	.98	.14				STORM OF NOV. 26											
:40	1.05	.42				Nov. 26											
:50	1.07	.12				<i>a. m.</i>											
2:00	1.10	.18				11:40			0								
:20	1.13	.09				12:00			.02	0.06							
:40	1.15	.06				<i>p. m.</i>											
3:00	1.17	.06				12:20			.03	.03							
4:00	1.19	.02				:30			.05	.12							
STORM OF NOV. 1						:40			.08	.18							
Nov. 1						:50			.11	.18							
<i>a. m.</i>						1:00			.13	.12							
6:30	0					:20			.21	.24							
7:00	.03	0.06				:40			.32	.33							
:30	.06	.06				2:00			.40	.24							
8:00	.09	.06				:40			.50	.30							
						:50			.53	.18							
						3:00			.59	.36							
						:50			.66	.42							
						3:00			.69	.18							
						:20			.77	.24							
						:40			.82	.15							
						4:00			.84	.06							
						:20			.88	.12							
						:40			.91	.09							
						5:00			.92	.03							
						6:00			.94	.02							
						:20			.96	.06							
						:40			1.00	.12							
						7:00			1.03	.09							
						:30			1.09	.12							
						9:00			1.09	0							
						10:00			1.12	.03							
						STORM OF DEC. 12											
						Dec. 12											
						<i>a. m.</i>											
						7:20			0								
						8:00			.02	0.03							



TABLE 55.—Rainfall at station 113 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	
STORM OF JAN. 14			STORM OF FEB. 9-10-Con.			STORM OF MAR. 2-4-Con.			STORM OF MAR. 30-Con.			STORM OF APR. 7-8-Con.			
Jan. 14			Feb. 9			Mar. 2			Mar. 30			Apr. 7			
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	
6:10-----	0		7:20-----	0.11	0.06	4:50-----	0.22	0.12	5:45-----	0.07	0.12	10:45-----	0.22	0.12	
:20-----	.03	0.18	9:00-----	.11	0	5:00-----	.27	.30	6:00-----	.09	.08	:50-----	.23	.12	
:30-----	.08	.30	:05-----	.14	.36	:10-----	.30	.18	:15-----	.11	.08	:58-----	.23	0	
:40-----	.11	.18	:10-----	.14	0	:20-----	.32	.12	:30-----	.13	.08	11:00-----	.25	.60	
:50-----	.12	.06	:15-----	.15	.12	:30-----	.34	.12	:45-----	.16	.12	:05-----	.26	.12	
7:00-----	.15	.18	:20-----	.15	0	8:45-----	.34	0	7:00-----	.17	.04	:10-----	.26	0	
:10-----	.19	.24	:25-----	.16	.12	:50-----	.35	.12	:15-----	.19	.08	:20-----	.27	.06	
:20-----	.22	.18	:30-----	.17	.12	9:00-----	.38	.18	:30-----	.21	.08				
:30-----	.26	.24	:40-----	.17	0	:10-----	.42	.24	:45-----	.22	.04				
:40-----	.33	.42	:50-----	.18	.06	:20-----	.44	.12	8:15-----	.22	0				
:50-----	.38	.30				:30-----	.45	.06	:30-----	.23	.04				
8:00-----	.42	.24	Feb. 10			:40-----	.46	.06	:45-----	.24	.04				
:10-----	.45	.18	a. m.			10:30-----	.46	0	9:08-----	.24	0				
:20-----	.48	.18	1:20-----	.18	0	:40-----	.47	.06	:10-----	.25	.30				
:30-----	.51	.18	:30-----	.19	.06	:50-----	.48	.06	:15-----	.26	.12				
:35-----	.52	.12	5:00-----	.19	0	:55-----	.49	.20	:30-----	.26	0				
:38-----	.54	.40	:10-----	.20	.06				10:00-----	.27	.02				
:40-----	.54	0	6:30-----	.20	0	Mar. 3			11:00-----	.27	0				
:50-----	.55	.06	:40-----	.22	.12	p. m.			:30-----	.28	.02				
9:00-----	.56	.06	:50-----	.23	.06	5:02-----	1.06	(1)	12:00-----	.29	.02				
:20-----	.58	.06	11:00-----	.23	0	:05-----	1.09	.60							
:40-----	.60	.06	:30-----	.25	.04	:10-----	1.13	.48							
:50-----	.62	.12				:11-----	1.15	1.20							
10:00-----	.66	.24				:15-----	1.18	.45							
:10-----	.68	.12				:20-----	1.18	0							
:20-----	.70	.12				:25-----	1.19	.12							
:30-----	.72	.12				:45-----	1.19	0							
	.79					6:00-----	1.20	.04							
						:15-----	1.23	.12							
						:30-----	1.26	.12							
						:45-----	1.27	.04							
						7:00-----	1.29	.08							
						:15-----	1.32	.12							
						:30-----	1.34	.08							
						9:25-----	1.34	0							
						:27-----	1.35	.30							
						:30-----	1.38	.60							
						:40-----	1.39	.06							
						:50-----	1.42	.18							
						10:00-----	1.43	.06							
						:15-----	1.45	.08							
						:30-----	1.46	.04							
						:35-----	1.47	.12							
						:36-----	1.48	.60							
						:40-----	1.48	0							
						11:20-----	1.48	0							
						:30-----	1.49	.06							
						Mar. 4									
						a. m.									
						12:30-----	1.49	0							
						:45-----	1.52	.12							
						1:00-----	1.53	.04							
						:05-----	1.54	.12							
							1.56								



TABLE 55.—Rainfall at station 113 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 11—Con.			STORM OF APR. 19—Continued			STORM OF MAY 23—24—Con.			STORM OF MAY 29—30—Continued			STORM OF JUNE 7—Con.		
Apr. 11			Apr. 20			May 24			May 29			June 7		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
10:00	1.10	0.18	5:00	1.76	0	12:40	0.12	0	6:29	0.11	3.00	12:40	0.08	0
:10	1.13	.18	:30	1.77	.02	:50	.13	.06	:30	.14	1.80	:50	.09	.06
:20	1.15	.12	6:00	1.78	.02	1:00	.15	.12	:33	.23	1.80	1:00	.11	.12
:30	1.16	.06		1.85		:06	.15	0	:35	.25	.60	:10	.12	.06
:40	1.18	.12	STORM OF MAY 6			:10	.16	.15	:40	.26	.12	STORM OF JUNE 8		
11:00	1.19	.03				:15	.17	.12	9:32	.26	0	June 8		
	1.22					:20	.18	.12	:33	.27	.60	p. m.		
STORM OF APR. 19—20			May 6			:25	.19	.12	:35	.28	.30	4:15	0	
Apr. 19			p. m.			:30	.20	.12	:40	.29	.12	:20	.04	0.48
a. m.			6:16	0	0.30	:40	.21	.06	:50	.33	.24	:22	.05	.30
11:00	0	0.04	:20	.02	0	:50	.24	.18	10:00	.34	.06	:25	.20	3.00
:30	.02	.02	:32	.02	0	2:00	.25	.06	:10	.36	.12	:27	.20	0
12:00	.03	.02	:35	.07	1.00	:15	.27	.08	:20	.38	.12	:30	.25	1.00
p. m.			:40	.20	1.56	:30	.29	.08	:30	.40	.12	:40	.26	.06
12:30	.04	.02	:42	.28	2.40	:45	.31	.08	:40	.42	.12	STORM OF JUNE 9-10		
4:30	.04	0	:45	.38	2.00	3:00	.33	.08	:50	.44	.12	June 9		
5:00	.06	.04	:47	.47	2.70	:15	.35	.08	11:00	.44	0	a. m.		
:30	.08	.04	:50	.50	.60	:30	.38	.12	:30	.45	.02	1:18	0	0.60
:40	.09	.06	:52	.52	.60	:45	.42	.16	:45	.46	.02	:20	.02	0
:50	.11	.12	7:05	.53	0	4:00	.46	.16	:50	.46	.02	:25	.02	.30
6:00	.13	.12	:10	.53	.12	:12	.47	0	1:08	.46	0	:27	.03	.40
:20	.17	.12	:11	.53	0	:15	.47	.20	:10	.48	.60	:30	.05	.40
:40	.19	.06	:14	.56	.60	:20	.48	.12	:15	.55	.84	:35	.06	.12
7:00	.20	.03	:15	.57	.60	:30	.48	0	:20	.60	.60	June 10		
:20	.21	.03	:20	.58	.12	:40	.54	.40	:25	.63	.36	a. m.		
:40	.22	.03	STORM OF MAY 15			:45	.57	.36	:30	.64	.12	12:30	.16	0
8:00	.23	.03				:50	.59	.24	:40	.65	.20	1:00	.17	.02
:40	.23	0	May 15			6:00	.62	.18	:46	.65	0	:20	.17	0
9:00	.24	.03	a. m.			:10	.66	.24	:47	.67	1.20	:25	.18	.30
:30	.25	.02	11:05	0	0.24	:20	.70	.24	:49	.70	.90	3:00	.18	0
10:00	.26	.02	:10	.02	0.24	:30	.75	.30	:50	.71	.60	4:00	.06	0
:30	.28	.04	:20	.04	.12	:40	.78	.18	4:30	.71	0	:05	.09	.36
:40	.28	0	:30	.07	.18	:50	.85	.42	5:00	.73	.04	10:35	.09	0
11:00	.31	.09	:40	.08	.06	7:00	.89	.24	:30	.73	0	:40	.11	.24
:20	.34	.09	:50	.10	.12	:15	.93	.16	6:00	.74	.02	:50	.13	.12
:40	.37	.09	12:00	.12	.12	:30	.95	.08	:30	.76	.04	11:00	.15	.12
12:00	.40	.09	p. m.			:45	.96	.04	7:00	.77	.02	:20	.16	.03
STORM OF APR. 20			12:10	.14	.12	8:08	.96	0	:27	.77	0	June 11		
Apr. 20			:20	.18	.24	:10	.97	.30	:30	.78	.20	a. m.		
a. m.			:30	.22	.24	:15	.98	.12	:40	.79	.06	12:30	.16	0
12:20	.42	.06	:45	.23	.04	:26	.98	0	:40	.79	0	1:00	.17	.02
:40	.45	.09	1:00	.24	.04	:30	.99	.15	:50	.80	.06	:20	.17	0
1:00	.48	.09	:40	.24	0	:35	1.00	.12	9:00	.81	.06	:25	.18	.30
:20	.50	.06	2:00	.25	.03	:45	1.00	0	:30	.86	.04	:30	.18	0
:40	.54	.12	STORM OF MAY 19			:50	1.02	.24	10:00	.87	.02	June 11		
2:00	.56	.06				:55	1.03	.12	:30	.88	.02	a. m.		
:20	.61	.15	May 19			9:00	1.04	.12	:40	.88	.02	1:12	.18	0
:40	.66	.15	p. m.			:05	1.07	.36	11:00	.90	.04	:15	.20	.40
3:00	.71	.15	1:01	0	0.90	:07	1.11	1.20	:30	.91	.02	:20	.22	.24
:20	.75	.12	:03	.03	.30	:10	1.12	.20	12:00	.92	.02	:24	.30	1.40
:40	.79	.12	:05	.04	.04	:20	1.15	.18	p. m.			:25	.37	4.20
4:00	.85	.18	2:37	.09	1.50	:30	1.17	.12	12:30	.92	0	:27	.47	3.00
:20	.95	.30	:39	.10	.60	:45	1.20	.12	1:00	.93	.02	:30	.56	1.80
:40	1.05	.30	:41	.11	.60	10:00	1.23	.12	:30	.94	.02	:33	.61	1.00
5:00	1.14	.27	:45	.13	.30	:15	1.25	.08	2:50	.94	0	:35	.69	2.40
:20	1.25	.33	:50	.14	.12	:30	1.27	.08	3:00	.95	.06	:38	.82	2.60
:30	1.29	.24	:55	.15	.12	:45	1.28	.04	:20	.97	.06	:40	.85	.90
:40	1.31	.12	3:00	.18	.36	11:00	1.29	.04	:40	.99	.06	:42	.86	.30
6:00	1.33	.06	:03	.20	.40	:10	1.31	.12	4:00	1.01	.06	:44	.86	0
:30	1.33	0	:05	.20	0	:18	1.31	0	:20	1.03	.06	:46	.88	.12
7:00	1.34	.02	STORM OF MAY 23-24			:20	1.33	.60	:40	1.07	.12	3:00	.88	0
:30	1.34	.02	May 23			:25	1.36	.36	5:00	1.10	.09	:30	.92	.24
11:20	1.34	.06	p. m.			:30	1.37	.12	:20	1.12	.06	:20	.98	.36
:30	1.35	.06	2:15	0	0.08	:45	1.42	.20	:40	1.14	.06	:25	1.00	.24
:40	1.36	.06	:30	.02	.04	12:00	1.46	.16	6:00	1.18	.12	:30	1.00	0
12:00	1.37	.03	:45	.03	.04	p. m.			:20	1.19	.03	4:00	1.02	.04
STORM OF MAY 23-24			3:00	.04	.04	12:15	1.48	.08	:40	1.21	.03	7:10	1.02	0
May 23			4:00	.05	.02	1:20	1.48	0	:30	1.24	.02	:15	1.05	.36
p. m.			:30	.06	.02	:30	1.50	.12	8:10	1.24	0	STORM OF JUNE 11		
2:15	0	0.08	:40	.07	.02	2:00	1.50	0	:20	1.25	.06	June 11		
:30	.02	.08	:50	.08	.02	:03	1.54	.80	:30	1.26	.06	a. m.		
3:00	.04	.04	5:00	.09	.01	:05	1.56	.60	:40	1.26	0	3:49	0	0.06
:30	.05	.02	6:00	.09	.01	:10	1.58	.24	:50	1.27	.06	:50	.01	0
:40	.06	.02	9:00	.09	0	:15	1.60	.24	9:00	1.28	.06	4:06	.01	0
4:00	.06	.02	10:00	.10	.01	:20	1.61	.12	10:00	1.28	0	:10	.04	.45
:30	.07	.02	12:00	.12	.01	STORM OF MAY 29-30			11:00	1.30	.02	7:20	.04	.09
:40	.08	.02	STORM OF JUNE 7			May 29			STORM OF JUNE 7			:40	.07	.09
5:00	.08	.02	June 7			p. m.			June 7			8:00	.08	.03
2:00	.09	.01	a. m.			5:00	0	0.02	a. m.			p. m.		
3:35	.09	0	11:30	.04	0.24	:30	.01	0.02	11:30	0	0.24	12:18	.08	0
:40	.12	.03	:50	.07	.18	6:00	.03	0	:40	.04	0.24	:20	.09	.30
4:00	.15	.03	:50	.07	.18	:26	.03	0	:50	.07	.18	:23	.14	1.00
:20	.16	.03	12:00	.08	.06	:28	.06	.90	12:00	.08	.06			



TABLE 55.—Rainfall at station 113 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 11—Con.			STORM OF JUNE 23			STORM OF JUNE 28—Con.			STORM OF JULY 11—Con.			STORM OF JULY 26		
June 11			June 23			June 28			July 11			July 26		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
1:24.....	0.14	0	8:23.....	0.03	(1)	9:40.....	1.39	0.18	5:27.....	0.41	0	5:50.....	0	0.08
:25.....	.17	1.80	:25.....	.16	3.90	:50.....	1.40	.06	:30.....	.47	1.26	6:00.....	.01	0.06
:27.....	.21	1.20	:28.....	.32	3.20	10:00.....	1.42	.12	:35.....	.51	.48	:10.....	.02	.06
:30.....	.26	1.00	:30.....	.46	4.20	:10.....	1.46	.24	:40.....	.53	.24	:20.....	.05	.18
:32.....	.31	1.50	:32.....	.55	2.70	:20.....	1.47	.12	6:15.....	.53	0	:22.....	.08	.90
:35.....	.32	.20	:35.....	.59	.80				:18.....	.55	.40	:25.....	.08	0
:40.....	.32	0	:40.....	.61	.24	STORM OF JUNE 30-JULY 1			:20.....	.55	0	:40.....	.08	0
:41.....	.33	.60	:50.....	.65	.24	June 30			:40.....	.56	.03	:42.....	.09	.30
:42.....	.36	1.80	:50.....	.66	.06	<i>p. m.</i>			:49.....	.56	0	:45.....	.09	0
:44.....	.41	1.50	:10.....	.69	.18	4:10.....	0	0.12	:50.....	.57	.60	7:10.....	.09	0
STORM OF JUNE 12			:20.....	.72	.18	:20.....	.02	0	:53.....	.59	.40	:13.....	.10	.26
June 12			:30.....	.76	.24	5:00.....	.02	0	:55.....	.59	0	:15.....	.13	.90
<i>p. m.</i>			:40.....	.79	.18	:10.....	.03	.06	7:20.....	.59	0	:20.....	.26	1.60
12:11.....	0	1.20	:50.....	.81	.12	:20.....	.04	.06	:40.....	.60	.03	:21.....	.28	1.20
:15.....	.08	1.20	10:00.....	.82	.06	:36.....	.04	0	STORM JULY 22			:25.....	.29	.15
:18.....	.14	1.20	STORM OF JUNE 25-26			:38.....	.05	.30	July 22			:30.....	.30	.12
:20.....	.21	2.10	June 25			:40.....	.08	.90	<i>p. m.</i>	0	1.20	:40.....	.32	.12
:22.....	.23	.60	<i>p. m.</i>			:50.....	.09	.66	2:52.....	.06	2.70	:50.....	.36	.48
:25.....	.24	.20	6:45.....	0	0.36	6:00.....	.10	.06	:55.....	.26	1.20	:55.....	.36	.60
8:56.....	.24	0	:50.....	.03	0.12	:22.....	.10	0	3:00.....	.26	1.20	:59.....	.40	1.60
9:00.....	.43	2.85	:55.....	.04	0	:25.....	.11	.20	:03.....	.26	0	:02.....	.44	.60
:02.....	.50	2.10	7:02.....	.04	.60	:30.....	.12	.12	:09.....	.28	.60	:05.....	.44	0
:05.....	.56	1.20	:10.....	.07	.24	:40.....	.13	.06	:10.....	.41	.60	:20.....	.44	0
:10.....	.57	.12	:10.....	.09	.60	:50.....	.14	.06	:15.....	.49	.96	:25.....	.49	0.6
:20.....	.59	.12	:12.....	.10	.30	7:00.....	.15	.06	:20.....	.54	.60	STORM OF AUG. 14		
STORM OF JUNE 14			:15.....	.10	0	:18.....	.15	0	:25.....	.59	.60	Aug. 14		
June 14			10:08.....	.10	0	:20.....	.17	.60	:30.....	.60	.12	<i>p. m.</i>	0	0.80
<i>p. m.</i>			:10.....	.11	.30	:30.....	.19	.12	:35.....	.61	.12	1:36.....	0	0.80
5:20.....	0	0.09	:15.....	.12	.12	:45.....	.20	.15	:40.....	.63	.24	:38.....	.06	.80
:40.....	.03	0.09	:20.....	.12	0	:50.....	.21	.12	4:05.....	.63	0	:41.....	.10	.80
6:00.....	.07	.12	:30.....	.13	.06	:55.....	.21	0	:07.....	.64	.30	:50.....	.12	.13
:10.....	.08	.06	12:00.....	.13	0	10:00.....	.25	.48	:10.....	.64	0	:50.....	.12	0
STORM OF JUNE 18			June 26			:10.....	.26	.06	5:00.....	.64	0	:04.....	.23	2.20
June 18			<i>a. m.</i>			:20.....	.26	0	:16.....	.65	.06	:07.....	.31	1.60
<i>a. m.</i>			12:30.....	.15	.04	:25.....	.27	.12	:19.....	.65	0	:14.....	.36	.43
1:47.....	0	1.20	<i>p. m.</i>			:30.....	.30	.36	:20.....	.70	1.00	:19.....	.44	.96
:50.....	.06	1.20	12:14.....	.15	0	:35.....	.31	.12	:25.....	.73	.24	:29.....	.45	.06
:55.....	.15	1.08	:15.....	.16	.60	:40.....	.32	.12	:30.....	.74	.12	:36.....	.53	.69
2:00.....	.16	1.02	:18.....	.18	.40	:45.....	.33	.12	8:31.....	.74	0	:30.....	.54	.02
:10.....	.18	.12	:20.....	.22	1.20	:50.....	.35	.24	:35.....	.81	1.05	4:00.....	.54	0
:20.....	.21	.18	:22.....	.22	1.20	:10.....	.38	.18	:40.....	.83	.24	:34.....	.55	.02
:30.....	.24	.18	:25.....	.25	1.80	:15.....	.42	0	:50.....	.83	0	5:00.....	.56	.02
3:00.....	.24	0	:27.....	.27	.60	:20.....	.46	.48	9:00.....	.84	.06	:10.....	.56	0
:10.....	.28	.24	:30.....	.28	.12	:30.....	.52	.36	STORM OF JULY 23			:13.....	.58	.40
:20.....	.29	.06	:35.....	.31	.12	:40.....	.56	.24	July 23			:14.....	.63	3.00
:30.....	.30	.06	:40.....	.32	.12	:50.....	.59	.18	<i>p. m.</i>	0	0.60	:24.....	.64	.06
:36.....	.30	0	:45.....	.33	.12	12:00.....	.62	.18	12:20.....	.02	0.60	:27.....	.65	.20
:37.....	.33	1.80	:50.....	.35	.24	July 1			:22.....	.10	1.60	:57.....	.65	0
:40.....	.33	0	:55.....	.37	.12	<i>a. m.</i>			:25.....	.20	1.20	6:00.....	.66	.20
4:12.....	.33	0	:57.....	.38	.12	12:05.....	.64	.24	:30.....	.22	.60	:05.....	.67	.12
:15.....	.35	.40	:58.....	.38	.12	:10.....	.65	.12	:32.....	.22	.60	7:00.....	.67	0
:20.....	.36	.12	:59.....	.39	.12	:20.....	.65	0	:35.....	.23	.20	STORM OF AUG. 18		
5:05.....	.36	0	:59.....	.40	.12	:30.....	.66	.06	:40.....	.24	.12	Aug. 18		
:10.....	.41	.60	:59.....	.41	.60	:43.....	.67	.06	5:05.....	.24	0	<i>p. m.</i>	0	0.48
:15.....	.42	.12	:59.....	.42	.12	:45.....	.69	.60	:10.....	.27	.36	5:53.....	.04	0.48
:20.....	.50	.96	:59.....	.43	1.80	:50.....	.70	.12	:27.....	.27	0	6:00.....	.08	1.20
:26.....	.50	0	:59.....	.44	.60	:50.....	.72	.12	:37.....	.28	.30	:01.....	.11	1.80
:30.....	.51	.15	:59.....	.46	.60	:50.....	.74	.06	:40.....	.32	.80	:10.....	.13	.10
STORM OF JUNE 28			:59.....	.47	.60	:50.....	.75	.06	:45.....	.37	.60	:16.....	.48	3.53
June 28			:59.....	.48	.60	:50.....	.76	.06	:46.....	.38	.60	:17.....	.51	1.80
<i>a. m.</i>			:59.....	.49	.60	2:00.....	.76	.06	:50.....	.65	4.05	:20.....	.54	.60
7:42.....	0	3.60	:59.....	.50	.60	July 11			:52.....	.77	3.60	:23.....	.56	.40
:44.....	.12	3.60	:59.....	.51	.60	<i>p. m.</i>			:55.....	.89	2.40	:27.....	.64	1.20
:45.....	.20	4.80	:59.....	.52	.60	4:20.....	0	0.12	:56.....	.92	1.80	:30.....	.66	.40
:48.....	.40	4.00	:59.....	.53	.60	:25.....	.01	.12	8:00.....	.95	.45	:40.....	.68	.12
:49.....	.43	1.80	:59.....	.54	.60	:28.....	.03	.40	STORM OF JULY 24			STORM OF AUG. 25-26		
:50.....	.44	.60	:59.....	.55	.60	:30.....	.04	.30	July 24			Aug. 25		
:52.....	.46	.60	:59.....	.56	.60	:43.....	.07	.06	<i>p. m.</i>	0	1.65	<i>p. m.</i>	0	0.20
:55.....	.57	2.20	:59.....	.57	.60	:45.....	.08	.06	8:36.....	.11	2.60	10:03.....	.01	0.20
:56.....	.60	1.80	:59.....	.58	.60	:46.....	.09	.06	:40.....	.24	2.60	:10.....	.03	.30
8:00.....	.60	0	:59.....	.59	.60	:47.....	.10	.06	:43.....	.27	.90	:14.....	.05	.30
:04.....	.60	0	:59.....	.60	.60	:48.....	.11	.06	:45.....	.29	.24	:20.....	.10	.60
:05.....	.61	.60	:59.....	.61	.60	:49.....	.12	.06	:46.....	.32	.36	:30.....	.10	0
:06.....	.64	1.80	:59.....	.62	.60	:50.....	.13	.06	:47.....	.33	.12	STORM OF AUG. 25-26		
:09.....	.64	0	:59.....	.63	.60	:50.....	.14	.06	:48.....	.34	.03	Aug. 25		
:10.....	.68	2.40	:59.....	.64	.60	:50.....	.15	.06	:49.....	.35	.03	<i>p. m.</i>	0	0.20
:15.....	.83	1.80	:59.....	.65	.60	:50.....	.16	.06	:50.....	.36	.03	10:03.....	.01	0.20
:17.....	.83	0	:59.....	.66	.60	:50.....	.17	.06	:51.....	.37	.03	:10.....	.03	.30
:18.....	.84	.60	:59.....	.67	.60	:50.....	.18	.06	:52.....	.38	.03	:14.....	.05	.30
:19.....	.84	.60	:59.....	.68	.60	:50.....	.19	.06	:53.....	.39	.03	:20.....	.10	.60
:20.....	.84	.60	:59.....	.69	.60	:50.....	.20	.06	:54.....	.40	.03	:30.....	.10	0
:21.....	.84	.60	:59.....	.70	.60	:50.....	.21	.06	:55.....	.41	.03	STORM OF AUG. 25-26		
:22.....	.84	.60	:59.....	.71	.60	:50.....	.22	.06	:56.....	.42	.03	Aug. 25		
:23.....	.84	.60	:59.....	.72	.60	:50.....	.23	.06	:57.....	.43	.03	<i>p. m.</i>	0	0.20
:24.....	.84	.60	:59.....	.73	.60	:50.....	.24	.06	:58.....	.44	.03	10:03.....	.01	0.20
:25.....	.84	.60	:59.....	.74	.60	:50.....	.25	.06	:59.....	.45	.03	:10.....	.03	.30
:26.....	.84	.60	:59.....	.75	.60	:50.....	.26	.06	:60.....	.46	.03	:14.....	.05	.30
:27.....	.84	.60	:59.....	.76	.60	:50.....	.27	.06	:61.....	.47	.03	:20.....	.10	.60
:28.....	.84	.60	:59.....	.77	.60	:50.....	.28	.06	:62.....	.48	.03	:30.....	.10	0
:29.....	.84	.60	:59.....	.78	.60	:50.....	.29	.06	:63.....	.49	.03	STORM OF AUG. 25-26		
:30.....	.84	.60	:59.....	.79	.60	:50.....	.30	.06	:64.....	.50	.03	Aug. 25		
STORM OF JULY 11—Con.			:30.....	.84	.60	:50.....	.31	.06	:65.....	.51	.03	<i>p. m.</i>	0	0.20
July 11			:30.....	.84	.60	:50.....	.32	.06	:66.....	.52	.03	10:03.....	.01	0.20
<i>p. m.</i>			:30.....	.84	.60	:50.....	.33	.06	:67.....	.53	.03	:10.....	.03	.30
5:27.....	0.41	0	:30.....	.84	.60	:50.....	.34	.06	:68.....	.54	.03	:14.....	.05	.30
:30.....	.47	1.26	:30.....	.84	.60	:50.....	.35	.06	:69.....	.55	.03	:20.....	.10	.60
:35.....	.51	.48	:30.....	.84	.60	:50.....	.36	.06	:70.....	.56	.03	:30.....	.10	0
:40.....	.53	.24	:30.....	.84	.60	:50.....	.37	.06	:71.....	.57	.03	STORM OF AUG. 25-26		
6:15.....	.53	0	:30.....	.84	.60	:50.....	.38	.06	:72.....	.58	.03	Aug. 25		
:18.....	.55	.40	:30.....	.84	.60	:50.....	.39	.06	:73.....	.59	.03	<i>p. m.</i>	0	0.20
:20.....	.55	0	:30.....	.84	.60	:50.....	.40	.06	:74.....	.60	.03	10:03.....	.01	0.20
:20.....	.55	0	:30.....	.84	.60	:50.....	.41	.06	:75.....	.61	.03	:10.....	.03	.30
:40.....	.56	.03	:30.....	.84	.60	:50.....	.42	.06	:76.....	.62	.03	:14.....	.05	.30
:49.....	.56	0	:30.....	.84	.60	:50.....	.43	.06	:77.....	.63	.03	:20.....	.10	.60



TABLE 55.—*Rainfall at station 113 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 25-26—Con.			STORM OF AUG. 27—Con.			STORM OF AUG. 29-30—Con.			STORM OF SEPT. 24-25—Con.			STORM OF NOV. 1—Con.		
Aug. 25			Aug. 27			Aug. 30			Sept. 24			Nov. 1		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
11:00	0.11	0.02	6:00	1.79	0	9:45	1.41	0.24	9:14	0.11	0.04	6:28	0.85	0.08
:06	.13	.20	:06	1.80	.10	:56	1.42	.05	:20	.12	.10	:30	.87	.60
:10	.21	1.20	:20	1.80	0	10:00	1.43	.15	:30	.12	0	:50	.92	.15
:15	.25	.48	:38	1.84	.13	:05	1.47	.48	:40	.14	.12	:00	.94	.12
:20	.26	.12	:45	1.88	.34	:20	1.53	.24	:51	.17	.16	:07	.96	.17
:30	.26	0	7:00	1.89	.04	:26	1.59	.60	10:00	.22	.33			
:40	.27	.06	:07	1.90	.09	:30	1.60	.15	:10	.24	.12			
:50	.27	0	:12	1.94	.48	:35	1.62	.24	:12	.25	.30			
12:00	.27	0	:20	1.98	.30	:40	1.64	.24	:20	.28	.22			
			:26	2.02	.40	11:00	1.69	.15	:28	.45	1.27			
			:31	2.03	.12	:08	1.71	.15	:30	.52	2.10			
			:40	2.04	.07	:22	1.72	.04	:35	.57	.60			
			:46	2.04	0	:30	1.74	.15	:40	.60	.36			
			:48	2.06	.60	:40	1.75	.06	:42	.61	.30			
			8:20	2.06	0	:50	1.77	.12	11:00	.62	.03			
			:24	2.09	.45	12:00	1.77	0	:07	.63	.09			
			:30	2.09	0	<i>p. m.</i>			:20	.64	.05			
			:34	2.12	.45	12:30	1.78	.02	:40	.66	.06			
			:37	2.27	3.00	:31	1.79	.60	:45	.66	0			
			:40	2.47	4.00	:42	1.80	.05	12:00	.66	0			
			:44	2.55	1.20	:48	1.82	.20						
			:50	2.56	.10	1:00	1.82	0	Sept. 25					
			9:00	2.59	.18	:30	1.83	.02	<i>a. m.</i>					
			:10	2.60	.12	2:00	1.83	0	12:10	.68	.12			
			:20	2.62	.06	4:00	1.83	0	:20	.70	.42			
						:12	1.84	.05	:40	.72	.06			
						:16	1.86	.30	:48	.73	.08			
						:30	1.88	.08	:52	.74	.15			
						5:00	1.90	.04	1:00	.75	.08			
									:20	.80	.15			
									:25	.81	.12			
									:29	.82	.15			
									:40	.87	.27			
									2:00	.87	0			
									:10	.89	.12			
									:20	.92	.18			
									:40	.92	0			
									3:00	.93	.03			
									:20	.94	.03			
									:30	.94	0			
									:40	.94	0			
									4:00	.95	.03			
STORM OF AUG. 27			STORM OF AUG. 29-30			STORM OF SEPT. 8			STORM OF NOV. 1			STORM OF NOV. 11		
Aug. 27			Aug. 29			Sept. 8			Nov. 1			Nov. 11		
<i>a. m.</i>			<i>p. m.</i>			<i>a. m.</i>			<i>a. m.</i>			<i>a. m.</i>		
12:35	0		3:13	0		8:08	0		6:30	0		12:01	0	
:40	.02	0.24	:17	.05	0.75	:10	.02	0.60	:40	.01	0.06	:20	.05	0.16
:50	.05	.18	:20	.11	1.20	:17	.12	.86	:40	.01	0	:36	.08	.11
:52	.11	1.80	:25	.15	.48	:20	.18	1.20	:40	.02	.03	:36	.09	.15
:54	.21	3.00	:27	.22	2.10	:29	.24	1.20	:40	.03	.05	:40	.09	0
:56	.23	.60	:30	.27	1.00	:30	.25	.09	:40	.04	.08	:40	.09	0
1:00	.25	.30	:33	.28	.20	:34	.26	.10	:40	.04	0	:40	.11	.06
:10	.26	1.06	:40	.29	.09	:50	.29	.18	:40	.06	.06	:40	.12	.15
:20	.27	.06	:42	.29	0	:00	.31	.12	:40	.07	.07	:40	.13	.10
:24	.31	.60	:04	.37	.30	:10	.33	.12	:40	.08	.08	:40	.14	.06
:27	.31	0	:10	.38	.10	:20	.38	.30	:40	.09	.09	:40	.16	.09
:29	.33	.60	:20	.43	.30	:30	.42	.24	:40	.10	.10	:40	.17	.09
:31	.34	.30	:34	.51	.34	:40	.44	.12	:40	.11	.11	:40	.18	.15
:38	.34	0	:40	.53	.29	:50	.45	.05	:40	.12	.12	:40	.19	.03
:41	.37	.60	:48	.55	.15									
:43	.38	.30	:55	.56	.05									
:50	.40	.17	:57	.57	.03									
8:38	.40	0	:58	.58	.05									
:40	.41	.30	:59	.61	.36									
:42	.42	.30	:00	.62	.20									
:47	.48	.72	:01	.65	.13									
:50	.49	.20	:02	.65	0									
9:00	.49	0	:03	.65	0									
:10	.50	.06	:04	.66	.10									
:17	.53	.26	:05	.66	0									
:19	.58	1.50	:06	.66	0									
:20	.59	.60	:07	.67	.02									
:27	.59	0	:08	.68	.03									
:30	.63	.80	:09	.68	0									
:33	.68	1.00	:10	.68	0									
:38	.73	.60	:11	.68	0									
:40	.77	1.20	:12	.68	0									
:42	.81	1.20												
:46	.85	.60												
:50	.87	.30												
:57	.87	0												
10:00	.88	.20												
:04	.96	1.20												
:06	.97	.30												
:10	1.04	1.05												
:18	1.24	1.50												
:20	1.27	.90												
:27	1.31	.34												
:30	1.38	1.40												
:40	1.56	1.08												
:41	1.58	.30												
:50	1.59	.10												
:58	1.59	0												
11:00	1.61	.60												
:10	1.63	.12												
<i>p. m.</i>														
12:30	1.65	.02												
2:35	1.65	0												
:40	1.68	.36												
:45	1.69	.12												
3:10	1.69	0												
:20	1.70	.06												
:30	1.70	0												
4:00	1.71	.02												
5:05	1.71	0												
:20	1.76	.20												
:40	1.78	.06												
:50	1.79	.06												



TABLE 55.—Rainfall at station 113 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF NOV. 23-24			STORM OF NOV. 26—Con.			STORM OF DEC. 12—Con.			STORM OF DEC. 16—Con.			STORM OF DEC. 28-29		
Nov. 23			Nov. 26			Dec. 12			Dec. 16			Dec. 28		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:10.....	0	-----	4:20.....	0.38	0.08	2:00.....	0.19	0	1:00.....	0.51	0	3:00.....	0	-----
7:00.....	.02	0.02	5:30.....	.39	0.06	1:10.....	.21	.12	1:10.....	.52	.06	3:24.....	.01	0.03
7:30.....	.03	0.02	5:40.....	.40	0	1:19.....	.27	.40	1:20.....	.54	.12	3:32.....	.02	.03
8:00.....	.03	0	6:00.....	.41	.03	2:25.....	.28	0.03	1:50.....	.64	.20			
8:24.....	.03	0	6:11.....	.42	.06	3:00.....	.29	0.04				<i>p. m.</i>		
8:44.....	.04	0.03	6:20.....	.43	.07	3:33.....	.29	0	STORM OF DEC. 25-26			6:10.....	0	-----
9:00.....	.04	0	6:32.....	.45	.12	4:00.....	.30	0.30	Dec. 25			6:20.....	.01	.06
10:00.....	.05	0.01	6:40.....	.47	.17	4:45.....	.30	0	<i>p. m.</i>			6:40.....	.03	.06
11:00.....	.05	0	7:00.....	.49	.06	5:00.....	.31	0.04	10:30.....	0	-----	6:50.....	.04	.06
12:00.....	.07	0.02	7:20.....	.51	.06	5:10.....	.33	.12	11:00.....	.01	0.02	7:00.....	.05	.06
Nov. 24			7:30.....	.52	.06	5:20.....	.36	.18	11:30.....	.02	.02	7:20.....	.06	.03
<i>a. m.</i>			7:33.....	.53	.20	5:25.....	.37	.12	12:00.....	.04	.06	9:00.....	.06	0
1:00.....	.08	.01	7:40.....	.53	0	5:27.....	.39	.60				9:20.....	.07	.03
1:15.....	.09	.04	8:10.....	.53	0	6:00.....	.47	.29	Dec. 26			9:40.....	.08	.02
1:33.....	.10	.03	8:20.....	.54	.06	6:25.....	.51	.10	<i>a. m.</i>			10:00.....	.08	.02
2:00.....	.11	0.02	8:42.....	.54	0	7:00.....	.52	.02	12:15.....	.06	.04	10:20.....	.09	.05
2:23.....	.11	0	9:00.....	.56	.10	STORM OF DEC. 16			1:00.....	.07	0	11:00.....	.12	.26
3:00.....	.13	.03	9:17.....	.57	.04	Dec. 16			1:30.....	.07	.04	11:30.....	.13	.20
4:00.....	.15	.03	9:30.....	.58	.05	<i>a. m.</i>			2:00.....	.09	.02	12:00.....	.15	0
STORM OF NOV. 26			9:40.....	.60	.04	12:10.....	0	-----	2:30.....	.11	.03	STORM OF DEC. 27		
Nov. 26			9:50.....	.63	.06	12:20.....	.01	0.06	3:00.....	.13	0	Dec. 27		
<i>p. m.</i>			9:54.....	.64	.06	12:30.....	.03	.12	3:30.....	.15	.04	<i>p. m.</i>		
12:15.....	0	-----	STORM OF DEC. 12			1:00.....	.07	.09	4:00.....	.15	.04	4:00.....	.06	0.18
12:20.....	.02	0.24	Dec. 12			1:10.....	.10	.26	4:10.....	.10	.12	4:20.....	.12	.15
12:30.....	.04	.12	<i>a. m.</i>			1:22.....	.16	.10	4:25.....	.12	.06	4:30.....	.13	.04
12:40.....	.06	.12	7:00.....	0	-----	1:34.....	.20	.20	4:45.....	.13	.04	4:47.....	.18	.10
1:00.....	.08	.06	7:30.....	.01	0.02	1:41.....	.20	0	4:50.....	.15	.04	5:00.....	.24	.33
1:10.....	.12	.24	8:00.....	.02	.02	1:56.....	.23	.12	5:00.....	.15	.04	5:20.....	.26	.40
1:16.....	.13	.10	8:40.....	.03	.02	2:00.....	.25	.30	5:30.....	.25	.40	5:35.....	.27	.06
1:20.....	.14	.15	9:00.....	.04	.03	2:10.....	.27	.12	5:40.....	.28	.40	5:45.....	.28	.04
1:30.....	.15	.06	10:00.....	.05	.01	2:20.....	.27	0	5:50.....	.28	.13	6:00.....	.32	.03
1:40.....	.17	.12	11:00.....	.06	.02	2:36.....	.29	.08	6:10.....	.30	.15	6:20.....	.33	.04
2:00.....	.22	.15	12:00.....	.08	.02	2:40.....	.32	.60	6:25.....	.31	.30	6:30.....	.34	.06
2:10.....	.24	.12	<i>p. m.</i>			2:50.....	.36	.22	6:35.....	.32	.10	6:40.....	.35	.06
2:20.....	.26	.12	12:15.....	.08	0	3:00.....	.37	.06	6:45.....	.33	.06	6:50.....	.35	.06
2:24.....	.27	.15	12:18.....	.09	.20	3:10.....	.40	.18	6:50.....	.34	.06	7:00.....	.36	.20
2:30.....	.28	.10	12:30.....	.11	.10	3:20.....	.42	.12	7:05.....	.35	.06	7:10.....	.37	.03
2:34.....	.29	.15	12:40.....	.15	.24	3:40.....	.48	0	7:15.....	.36	.06	7:20.....	.38	.02
2:40.....	.31	.20	12:43.....	.17	.40	4:00.....	.46	.03	7:25.....	.37	.03	7:30.....	.39	.01
2:54.....	.34	.13	1:00.....	.17	0	4:10.....	.48	.12	7:30.....	.38	.03	7:40.....	.40	.09
3:00.....	.34	0	1:25.....	.19	.05	4:20.....	.49	.03	7:45.....	.39	.01	7:50.....	.41	.02
3:20.....	.36	.06				4:30.....	.50	.03	7:55.....	.40	.02	8:00.....	.42	.10
4:00.....	.36	0				5:00.....	.50	0	8:00.....	.41	.02			
4:12.....	.37	.05				6:00.....	.50	0						
						7:00.....	.51	.01						

TABLE 56.—Rainfall at station 115 for selected storms, 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF JAN. 14—Con.			STORM OF FEB. 6—Con.			STORM OF FEB. 6—Con.			STORM OF FEB. 9-11—Con.		
Jan. 14			Jan. 14			Feb. 6			Feb. 6			Feb. 9		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
6:20.....	0	-----	9:50.....	0.66	0	8:20.....	0.06	0.06	1:10.....	0.31	0	4:00.....	0.03	0.06
7:30.....	.04	0.24	10:00.....	.69	.36	9:40.....	.08	.06	1:20.....	.32	.06	6:20.....	.03	0
7:40.....	.09	.30	10:05.....	.72	.36	9:50.....	.12	.12	1:26.....	.32	0	6:40.....	.05	.06
7:50.....	.10	.06	10:10.....	.73	.12	10:20.....	.14	.06	1:30.....	.34	.30	7:00.....	.08	.09
7:50.....	.13	.18	10:15.....	.74	.12	10:40.....	.17	.09	1:40.....	.34	0	7:20.....	.09	.03
8:10.....	.18	.30	10:20.....	.75	.12	10:45.....	.18	.12	1:50.....	.35	.06	8:50.....	.09	0
8:20.....	.21	.18	10:23.....	.76	.20	10:48.....	.20	.40	2:25.....	.35	0	9:00.....	.11	.12
8:30.....	.25	.24	10:25.....	.76	0	10:50.....	.20	0	2:30.....	.36	.12	10:10.....	.12	.06
8:40.....	.32	.42	10:30.....	.76	0	10:55.....	.20	0	2:40.....	.37	.06	10:17.....	.12	0
8:50.....	.39	.42	10:35.....	.77	.12	11:00.....	.21	.12	2:45.....	.37	0	10:20.....	.13	.20
8:50.....	.46	.42	10:40.....	.78	.12	11:03.....	.23	.40	2:50.....	.39	.60	10:30.....	.16	.18
9:05.....	.48	.24	11:00.....	.79	.03	11:05.....	.23	0	3:00.....	.39	0	STORM OF FEB. 10		
9:10.....	.49	.12		.84	-----	11:07.....	.23	0	3:05.....	.41	1.20	2:30.....	.16	0
9:15.....	.50	.12	STORM OF FEB. 6			11:10.....	.24	.20	3:10.....	.41	0	3:00.....	.17	.02
9:20.....	.52	.24	Feb. 6			11:20.....	.27	.18				3:05.....	.17	0
9:25.....	.55	.36	<i>a. m.</i>			11:30.....	.28	.06	STORM OF FEB. 9-11			3:10.....	.18	.06
9:30.....	.56	.12	7:00.....	0	-----	12:45.....	.28	0	Feb. 9			3:20.....	.20	.04
9:35.....	.58	.24	7:30.....	.02	0.04	1:00.....	.29	0	<i>p. m.</i>			3:30.....	.21	.02
9:38.....	.59	.20	8:00.....	.04	.04	1:05.....	.31	.30	2:00.....	0	-----	3:40.....	.22	.02
9:40.....	.62	.90				1:10.....	.31	0	2:30.....	.01	0.02	10:00.....	.22	.02
9:50.....	.62	0				1:20.....	.31	0	3:40.....	.01	0	12:00.....	.22	0
9:52.....	.64	.06												
9:55.....	.64	0												
10:00.....	.66	.24												



TABLE 56.—*Rainfall at station 115 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF FEB. 9-11—Con.			STORM OF FEB. 18—Con.			STORM OF MAR. 2-4—Con.			STORM OF MAR. 30—Con.			STORM OF APR. 11—Con.		
Feb. 10			Feb. 18			Mar. 3			Mar. 30			Apr. 11		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:30	0.23	0.02	3:00	0.19	0.06	7:00	1.15	0.08	2:00	0.52	0	2:10	0.05	0.06
1:00	.23	0	:20	.20	.03	:15	1.18	.12	:15	.55	.12	:20	.06	.06
:30	.24	.02	:40	.22	.06	:20	1.19	.12	:30	.56	.04	:30	.07	.06
3:43	.24	0	:50	.23	.06	9:27	1.19	0	:45	.58	.08	:40	.08	.06
:45	.25	.30	4:00	.23	0	:29	1.21	.60	3:00	.62	.16	:50	.11	.18
:49	.27	.30	:05	.24	.12	:30	1.24	1.80	:15	.65	.12	3:00	.15	.24
:50	.28	.60	:10	.24	0	:40	1.25	.06	:30	.67	.08	:10	.18	.18
:55	.31	.36	:20	.25	.06	:50	1.27	.12	:45	.70	.12	:15	.22	.48
4:00	.31	0	:40	.25	0	10:00	1.28	.06	4:00	.71	.04	:20	.23	.12
:05	.34	.36	5:00	.28	.09	:15	1.31	.12	:15	.74	.12	:30	.26	.18
:10	.36	.24	:20	.28	0	:30	1.33	.08	:30	.75	.04	:40	.29	.18
:15	.37	.12	:40	.29	.03	:35	1.33	0		.77		:50	.30	.06
:20	.38	.12	6:00	.30	.03	:40	1.35	.24				4:00	.33	.18
:25	.39	.12	:30	.30	0	11:10	1.35	0	STORM OF APR. 3			:20	.35	.06
:27	.39	0	7:00	.31	.02	:20	1.36	.06	Apr. 3			:40	.36	.03
:30	.40	.20	8:57	.31	0	Mar. 4			<i>p. m.</i>			:45	.37	.12
:35	.42	.24	9:00	.32	.20	12:15	1.36	0	12:20	0		:48	.37	0
:40	.44	.24	STORM OF MAR. 2-4			:30	1.37	.04	:21	.02	1.20	:50	.38	.30
:45	.44	0	Mar. 2			:45	1.38	.04	:22	.05	1.80	:10	.39	.06
5:00	.45	.12	<i>a. m.</i>			:51	1.38	0	:25	.06	.20	:15	.41	.24
:05	.47	.24	8:10	0		:52	1.40	1.20	2:14	.06	0	:20	.42	.12
:10	.48	.12	:20	.01	0.06	1:03	1.40	0	:15	.08	1.20	:30	.43	.06
:15	.49	.12	:30	.02	.06	:04	1.42	1.20	:17	.16	2.40	:40	.44	.06
:20	.51	.24	:45	.03	.04	:30	1.42	0	:18	.20	2.40	:50	.45	.06
:32	.51	0	9:00	.06	.12	:40	1.43	.06	:20	.21	.30	:40	.46	.06
:35	.52	.20	:15	.08	.08	STORM OF MAR. 18			:30	.22	.06	:20	.47	.03
:40	.54	.24	:30	.11	.12	Mar. 18			:55	.54	.24	:10	.50	.09
:45	.55	.12	:45	.12	.04	<i>p. m.</i>			:10	.55	.12	:20	.51	.12
:50	.57	.21	10:00	.13	.04	5:35	0		:25	.64	.36	:55	.52	.12
:55	.58	.12	:15	.14	.04	:40	.01	0.12	:30	.66	.24	7:00	.55	.12
6:00	.58	0	:30	.16	.08	:45	.01	0	:36	.66	0	:05	.56	.12
:05	.60	.24	:45	.17	.04	:48	.02	.30	:30	.68	.12	:10	.57	.12
:10	.61	.12	11:00	.18	.04	:50	.03	.60	:30	.70	.24	:15	.60	.36
:15	.63	.24	:30	.19	.02	:51	.04	.30	:40	.72	.24	:20	.64	.48
:20	.64	.12	12:00	.20		:55	.05	.60	:50	.73	.12	:25	.66	.24
:25	.64	0				:58	.06	.30	6:00	.74	.12	:30	.67	.12
:30	.66	.24				:59	.07	.30	:10	.75	.12	:35	.68	.12
:36	.66	0				7:00	.07	.30	:20	.76	.12	:40	.70	.24
:38	.68	.60				:05	.08	.12	:30	.77	.12	:45	.72	.24
:40	.68	0				:10	.09	.15	:50	.78	.12	:50	.73	.12
:52	.68	0				:15	.11	1.20	:55	.79	.12	:10	.74	.12
:55	.69	.20				:20	.13	.24	8:00	.75	0	:20	.75	.12
7:00	.70	.12				:25	.14	.12	:05	.76	.12	:30	.76	.12
:20	.70	0				:30	.15	.60	:15	.77	.12	:35	.77	.12
:30	.71	.06				:35	.16	.40	:20	.78	.12	:40	.78	.12
:40	.72	.06				:40	.17	.24	:25	.79	.12	:45	.79	.12
8:00	.72	0				:45	.18	.06	:30	.80	.12	:50	.80	.12
:10	.75	.18				:50	.19	.06	:35	.81	.12	:10	.81	.12
:20	.76	.06				:55	.20	.06	:40	.82	.12	:20	.82	.12
:36	.76	0				12:00	.21	.12	:45	.83	.12	:30	.83	.12
:38	.78	.60				:00	.22	.06	:50	.84	.12	:35	.84	.12
:40	.78	0				:05	.23	.06	:40	.85	.12	:40	.85	.12
:42	.79	.30				:10	.25	.60	:45	.86	.12	:45	.86	.12
:45	.79	0				:15	.26	.06	:50	.87	.12	:50	.87	.12
Feb. 11									Apr. 8					
<i>a. m.</i>						STORM OF MAR. 30			<i>a. m.</i>					
12:05	.79	0				Mar. 30			3:45			.19	0	
:10	.80	.12				<i>a. m.</i>			:50			.22	.36	
:20	.81	.06				4:30			:55			.24	.24	
:30	.84	.18				5:00			4:01			.24	0	
:40	.87	.18				:30			:05			.26	.30	
:50	.90	.18				:45			:10			.28	.24	
STORM OF FEB. 18									:15			.29	.12	
Feb. 18									:20			.30	.12	
<i>a. m.</i>									:25			.30	0	
6:30	0	0.02							:30			.32	.60	
7:00	.01	0.02							:35			.32	0	
:30	.02	.02							:40			.36	.48	
8:00	.04	.04							:45			.36	0	
9:00	.04	0							:50			.39	.12	
10:00	.05	.01							:55			.39	0	
:30	.05	0							12:00			.40	.06	
11:00	.06	.02												
:30	.06	0							Apr. 11					
12:00	.08	.04							<i>p. m.</i>					
STORM OF FEB. 18									12:30			.41	.02	
Feb. 18														
<i>a. m.</i>														
6:30	0	0.02												
7:00	.01	0.02												
:30	.02	.02												
8:00	.04	.04												
9:00	.04	0												
10:00	.05	.01												
:30	.05	0												
11:00	.06	.02												
:30	.06	0												
12:00	.08	.04												
STORM OF FEB. 18														
Feb. 18														
<i>a. m.</i>														
6:30	0	0.02												
7:00	.01	0.02												
:30	.02	.02												
8:00	.04	.04												
9:00	.04	0												
10:00	.05	.01												
:30	.05	0												
11:00	.06	.02												
:30	.06	0												
12:00	.08	.04												
STORM OF FEB. 18														
Feb. 18														
<i>a. m.</i>														
6:30	0	0.02												
7:00	.01	0.02												
:30	.02	.02												
8:00	.04	.04												
9:00	.04	0												
10:00	.05	.01												
:30	.05	0												
11:00	.06	.02												
:30	.06	0												
12:00	.08	.04												
STORM OF FEB. 18														
Feb. 18														
<i>a. m.</i>														
6:30	0	0.02												
7:00	.01	0.02												
:30	.02	.02												
8:00	.04	.04												
9:00	.04	0												
10:00	.05	.01												
:30	.05	0												
11:00	.06	.02												
:30	.06	0												
12:00	.08	.04												
STORM OF FEB. 18														
Feb. 18														
<i>a. m.</i>														
6:30	0	0.02												
7:00	.01	0.02												
:30	.02	.02												
8:00	.04	.04												
9:00	.04	0												
10:00	.05	.01												
:30	.05	0												
11:00	.06	.02												
:30	.06	0												
12:00	.08	.04												
STORM OF FEB. 18														
Feb. 18														
<i>a. m.</i>														
6:30	0	0.02												
7:00	.01	0.02												
:30	.02	.02												
8:00	.04	.04												
9:00	.04	0												
10:00	.05	.01												
:30	.05	0												
11:00	.06	.02												
:30	.06	0												
12:00	.08	.04												
STORM OF FEB. 18														
Feb. 18														
<i>a. m.</i>														
6:30	0	0.02												
7:00	.01	0.02												

<sup>1</sup> No intensity record.



TABLE 56.—Rainfall at station 115 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 19-20—Con.			STORM OF MAY 6—Con.			STORM OF MAY 23-24—Con.			STORM OF MAY 29-30—Con.			STORM OF JUNE 8-10		
Apr. 19			May 6			May 24			May 29			June 8		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
2:30.....	0.19	0.02	7:00.....	0.56	0.12	3:00.....	0.33	0.06	10:40.....	0.36	0.12	4:15.....	0	0.30
3:00.....	.20	.02	7:03.....	.57	.20	3:10.....	.35	.12	11:00.....	.37	.06	4:20.....	.01	0.30
3:10.....	.21	.06	7:13.....	.57	0	3:20.....	.36	.06		.38	.06	4:25.....	.10	2.70
3:20.....	.21	0	7:15.....	.58	.20	3:30.....	.38	.12				4:30.....	.17	4.20
3:30.....	.22	.06	7:17.....	.60	.60	3:40.....	.41	.18	May 30			4:35.....	.24	2.10
4:00.....	.24	.04	7:20.....	.62	.40	3:50.....	.45	.24	a. m.			4:40.....	.26	.60
4:30.....	.25	.02				4:00.....	.47	.12	1:10.....	.38	0	4:45.....	.31	1.00
4:40.....	.25	0	STORM OF MAY 15			4:20.....	.49	.06	1:15.....	.44	.72	June 9		
4:50.....	.26	.06				4:40.....	.50	.03	1:20.....	.48	.48	a. m.		
5:00.....	.28	.12				5:00.....	.52	.06	1:25.....	.52	.48	1:12.....	.31	0
5:10.....	.30	.12	May 15			5:10.....	.52	0	1:30.....	.54	.24	1:15.....	.32	.20
5:20.....	.32	.12	a. m.			5:20.....	.53	.06	1:35.....	.54	0	1:19.....	.33	.15
5:30.....	.34	.12	11:06.....	0		5:30.....	.54	.06	1:40.....	.55	.0	1:20.....	.35	1.20
5:40.....	.34	0	11:06.....	.01	0.15	5:35.....	.55	.12	1:45.....	.55	.12	1:25.....	.36	.12
5:50.....	.36	.12	11:10.....	.02	.06	5:40.....	.58	.36	1:48.....	.55	0	1:30.....	.39	.36
6:00.....	.38	.12	11:20.....	.04	.12	5:45.....	.60	.24	1:50.....	.60	1.50	1:35.....	.40	.06
6:10.....	.40	.12	11:30.....	.06	.12	5:50.....	.63	.36	1:55.....	.63	.36			
6:20.....	.41	.06	11:40.....	.07	.06	6:00.....	.67	.24	2:00.....	.66	.36			
6:30.....	.44	.18	11:50.....	.10	.18	6:10.....	.71	.24	6:10.....	.66	0			
6:40.....	.45	.06				6:20.....	.75	.24	6:20.....	.67	.06	p. m.		
6:50.....	.48	.18				6:30.....	.82	.42	6:30.....	.68	.06	4:02.....	.40	0
7:00.....	.49	.06				6:40.....	.86	.24	6:40.....	.68	0	4:05.....	.42	.40
7:10.....	.51	.12				6:50.....	.94	.48	6:50.....	.69	.06	10:38.....	.42	0
7:13.....	.53	.40				7:00.....	.97	.18	7:00.....	.71	.12	10:40.....	.43	.30
7:15.....	.53	0				7:10.....	.99	.12	7:10.....	.72	.06	10:45.....	.45	.12
7:30.....	.53	0				7:20.....	1.01	.12	7:20.....	.73	.06	11:00.....	.48	.18
7:40.....	.57	.24				7:30.....	1.02	.06	7:30.....	.73	0	11:10.....	.49	.06
7:50.....	.60	.18				7:40.....	1.02	0	7:40.....	.74	.06	June 10		
8:00.....	.60	0				7:50.....	1.03	.15	7:50.....	.75	.06	a. m.		
8:10.....	.63	.09				8:00.....	1.04	.60	8:00.....	.77	.12	12:30.....	.49	0
8:20.....	.65	.06				8:10.....	1.05	.12	8:10.....	.77	.12	1:40.....	.50	.06
8:30.....	.65	.06				8:20.....	1.05	0	8:20.....	.78	.06			
8:40.....	.68	.09				8:30.....	1.06	.06	8:30.....	.79	.06	STORM OF JUNE 10-11		
8:50.....	.72	.12				8:40.....	1.07	.06	8:40.....	.78	0	June 10		
9:00.....	.78	.18				8:50.....	1.10	.18	8:50.....	.81	.12	p. m.		
9:10.....	.83	.15				9:00.....	1.12	.24	9:00.....	.81	0	12:53.....	0	
9:20.....	.94	.33				9:10.....	1.14	.24	9:10.....	.82	.06	1:55.....	.01	0.30
9:30.....	1.08	.42				9:20.....	1.15	.15	9:20.....	.83	.06	1:58.....	.08	1.40
9:40.....	1.16	.24				9:30.....	1.19	2.40	9:30.....	.83	.06	2:00.....	.20	3.60
9:50.....	1.29	.39				9:40.....	1.22	.36	9:40.....	.83	0	2:05.....	.38	2.16
10:00.....	1.48	.57				9:50.....	1.24	.12	9:50.....	.84	.06	2:10.....	.44	1.20
10:10.....	1.48	0				10:00.....	1.27	.18	10:00.....	.84	.06	2:15.....	.50	1.80
10:20.....	1.50	.40				10:10.....	1.29	.12	10:10.....	.85	.03	2:20.....	.58	.96
10:30.....	1.50	0				10:20.....	1.31	.12	10:20.....	.87	.06	2:25.....	.59	.20
Apr. 20						10:30.....	1.32	.06	10:30.....	.87	.06	2:30.....	.60	.12
a. m.						10:40.....	1.34	.24	10:40.....	.89	.06	2:35.....	.62	.60
12:20.....	1.51	.03				10:50.....	1.35	.12	10:50.....	.90	.03	2:40.....	.65	.36
1:35.....	1.51	0				11:00.....	1.35	0	10:55.....	.92	.06	2:45.....	.67	.24
1:40.....	1.52	.12				11:10.....	1.36	.12	11:00.....	.94	.12	2:50.....	.69	.24
1:50.....	1.52	0				11:20.....	1.37	.03	11:05.....	.95	.06	2:55.....	.71	.24
2:00.....	1.53	.02				11:30.....	1.39	.06	11:10.....	.96	.06	3:00.....	.74	.36
2:10.....	1.53	0				11:40.....	1.39	0	11:15.....	.98	.12	3:05.....	.74	0
2:20.....	1.54	.06				11:50.....	1.39	.06	11:20.....	.98	.12	3:10.....	.75	.06
2:30.....	1.55	.06				12:00.....	1.40	.12	11:25.....	1.00	.12	3:15.....	.76	.06
2:40.....	1.56	.20				12:10.....	1.41	.12	11:30.....	1.01	.06	3:20.....	.77	.60
2:50.....	1.56	0				12:20.....	1.44	.36	11:35.....	1.01	0	June 11		
3:00.....	1.56	0				12:30.....	1.48	.24	11:40.....	1.02	.06	a. m.		
3:10.....	1.59	.36				12:40.....	1.52	.24	11:45.....	1.02	.06	3:25.....	.77	0
3:20.....	1.63	.48				12:50.....	1.55	.18	11:50.....	1.03	.06	3:30.....	.79	.30
3:30.....	1.69	.36				1:00.....	1.58	.18	11:55.....	1.04	.06	3:35.....	.83	1.20
3:40.....	1.74	.30							12:00.....	1.05	.06	3:40.....	.86	.36
3:50.....	1.81	.42							12:05.....	1.06	.06	3:45.....	.87	.12
4:00.....	1.86	.30							12:10.....	1.06	.06			
4:10.....	1.87	.06							12:15.....	1.07	.06			
4:20.....	1.87	.06							12:20.....	1.07	0			
4:30.....	1.88	.06							12:25.....	1.07	.06			
4:40.....	1.89	.12							12:30.....	1.07	.06			
4:50.....	1.92	.36							12:35.....	1.08	.06			
5:00.....	1.94	.24							12:40.....	1.08	0			
5:10.....	1.95	.12							12:45.....	1.09	.06			
5:20.....	1.96	.06							12:50.....	1.09	0			
5:30.....	1.96	0							12:55.....	1.10	.06			
5:40.....	1.96	.06							1:00.....	1.12	.12			
5:50.....	1.97	.12							1:05.....	1.13	.06			
6:00.....	2.08								1:10.....	1.13	0			
STORM OF MAY 6			STORM OF MAY 23-24			STORM OF MAY 29-30			STORM OF JUNE 7			STORM OF JUNE 7		
May 6			May 23			May 29			June 7			June 7		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
6:20.....	0	0.12	12:30.....	.11	0	6:30.....	0	1.80	11:00.....	0	0.18	12:05.....	.01	.12
6:25.....	.01	0	12:40.....	.12	.06	6:32.....	.06	2.40	11:05.....	.03	.12	12:10.....	.05	0
6:35.....	.01	0	12:50.....	.13	.06	6:35.....	.10	1.20	11:10.....	.05	.12	12:15.....	.07	.12
6:40.....	.02	.12	1:05.....	.13	0	6:40.....	.14	.12	11:15.....	.08	.18	12:20.....	.07	0
6:45.....	.07	1.00	1:10.....	.15	.24	6:45.....	.15	.12	11:20.....	.10	.12	12:25.....	.08	.30
6:50.....	.17	3.00	1:15.....	.16	.06	6:50.....	.16	.12	11:25.....	.10	0	12:30.....	.08	.12
6:55.....	.24	2.10	1:20.....	.19	.18	6:55.....	.17	.06	11:30.....	.11	.06	12:35.....	.09	.12
7:00.....	.31	4.20	1:25.....	.20	.06	7:00.....	.19	.12	11:35.....	.12	.06	12:40.....	.10	.30
7:05.....	.39	2.40	1:30.....	.23	.18	7:05.....	.21	1.20	11:40.....	.13	.06	12:45.....	.11	.12
7:10.....	.47	2.40	1:35.....	.24	.06	7:10.....	.22	.12	11:45.....	.14	.06	12:50.....	.12	.12
7:15.....	.53	3.60	1:40.....	.25	.06	7:15.....	.25	.48	11:50.....	.15	.06			
7:20.....	.55	.60	1:45.....	.28	.18	7:20.....	.30	.12	11:55.....	.16	.03			
7:25.....	.55	.60	1:50.....	.30	.12	7:25.....	.31	.06	12:00.....	.17	.03			
7:30.....	.55	.60	1:55.....	.31	.06	7:30.....	.32	.06						
			2:00.....	.32	.06	7:35.....	.34	.12						



TABLE 56.—*Rainfall at station 115 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JUNE 12			STORM OF JUNE 25—Con.			STORM OF JUNE 30-JULY 1—Continued			STORM OF JULY 22			STORM OF JULY 26—Con.		
June 12			June 25			June 30			July 22			July 26		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
12:11	0		7:00	0.02	0.03	9:10	0.24	0.60	2:55	0		7:22	0.21	3.00
:15	.03	0.45	:04	.03	.15	:15	.26	.24	3:00	.20	2.40	:25	.28	1.40
:18	.10	1.40	:05	.05	1.20	:20	.27	.12	:02	.26	1.80	:27	.29	.30
:19	.13	1.80	:10	.07	.24	:30	.28	.06	:05	.28	.40	:30	.29	0
:20	.15	1.20	:15	.09	.24	:36	.28	0	:07	.31	.90	:40	.29	0
:30	.16	.06	:30	.09	0	:40	.30	.30	:10	.36	1.00	:50	.30	.06
8:57	.16	0	:40	.10	.06	:45	.31	.12	:15	.38	.24	:53	.32	.40
9:00	.34	3.60	STORM OF JUNE 26			:50	.33	.24	:20	.46	.96	:55	.33	.30
:02	.49	4.50	STORM OF JUNE 26			:55	.34	.12	:25	.52	.72	:58	.34	.20
:03	.54	3.00	June 26			10:00	.36	.24	:30	.60	.96	8:00	.39	1.50
:05	.57	.90	<i>p. m.</i>			:10	.40	.24	:40	.61	.06	:02	.44	1.50
:10	.62	.60	12:17	0		:20	.43	.18	4:00	.51	0	:05	.45	.20
:15	.63	.12	:20	.01	0.20	:23	.44	.20	:05	.63	.24	:20	.45	0
STORM OF JUNE 18			:25	.08	2.10	:28	.44	0	:07	.64	.30	:25	.52	.84
June 18			1:00	.11	.60	:30	.47	.90	:10	.64	0	:30	.53	.12
<i>a. m.</i>			:05	.14	.36	:35	.52	.60	:20	.64	0	STORM OF AUG. 25-26		
7:45	0		:52	.14	0	:40	.54	.24	:30	.65	.06	Aug. 25		
:48	.01	0.20	:55	.15	.20	:50	.60	.36	5:15	.65	0	7:26	0	
:50	.05	1.20				11:00	.63	.18	:18	.69	.80	:30	.01	0.15
:55	.16	1.32	STORM OF JUNE 28			:10	.65	.12	:20	.71	.60	8:30	.02	.01
8:00	.21	.60	June 28			:20	.68	.18	:22	.72	.30	9:50	.03	.01
:10	.23	.12	<i>a. m.</i>			:30	.69	.06	:25	.73	.20	10:00	.04	.06
:20	.26	.18	7:41	0		:40	.69	0	8:33	.73	0	:03	.05	.20
:30	.29	.18	:45	.07	1.05	:50	.70	.06	:34	.75	1.20	:07	.07	.30
:42	.29	0	:50	.20	1.56	:56	.70	0	:35	.79	2.40	:11	.08	.15
:45	.30	.20	:55	.26	.72	:58	.73	.90	:40	.83	.48	:12	.11	1.80
9:00	.30	0	:55	.39	3.90	12:00	.74	.30	STORM OF JULY 23			:14	.13	.60
:31	.31	.12	STORM OF JULY 11			STORM OF JULY 23			July 23			:16	.15	.60
:10	.34	.36	July 11			12:10	.75	.06	<i>p. m.</i>			11:00	.15	0
:20	.34	0	<i>a. m.</i>			:40	.75	0	12:20	0		:05	.17	.24
:25	.35	.12	7:45	.07	1.05	:50	.76	.06	:23	.01	0.20	:06	.20	1.80
:30	.37	.24	:45	.20	1.56	1:00	.76	0	:25	.06	1	:08	.24	1.20
:36	.37	0	:52	.26	.72	:20	.78	.06	:30	.17	1.32	:09	.26	1.20
:38	.41	1.20	:57	.39	3.90	:30	.78	.06	:33	.20	.60	:11	.29	.90
10:12	.41	0	:58	.47	4.80	:40	.80	.06	:35	.21	.30	:13	.31	.60
:15	.43	.40	8:07	.47	0	STORM OF JULY 15			:40	.22	.12	:21	.32	.08
:19	.46	.45	:10	.54	1.40	July 15			5:05	.22	0	:25	.32	0
:10:06	.46	0	:12	.61	2.10	<i>p. m.</i>			:10	.24	.24	:35	.32	0
:10	.49	.45	:15	.67	1.20	4:30	0		:30	.25	.02	:42	.33	.09
:15	.52	.36	:55	.67	0	:33	.02	0.40	:40	.25	0	Aug. 26		
:20	.58	.72	:58	.70	.60	:35	.03	.30	:44	.30	.75	12:06	.33	0
:30	.59	.06	9:00	.84	4.20	:40	.03	0	:45	.36	1.80	:08	.36	.90
STORM OF JUNE 30-JULY 1			:03	.92	1.60	:50	.04	.06	:48	.63	5.40	:09	.38	1.20
June 30			:05	.95	.90	:06	.04	0	:50	.72	2.70	:11	.39	.30
<i>p. m.</i>			:08	.96	.20	:08	.07	3.90	:52	.82	3.00	:13	.42	.90
3:40	.59	0	:10	1.08	3.60	:10	.21	1.20	:55	.88	1.20	:14	.48	3.60
:41	.60	.60	:12	1.20	.18	:12	.29	2.40	8:00	.90	.24	:15	.52	2.40
:44	.74	2.80	:15	1.25	.12	:15	.30	.20	STORM OF JULY 24			:16	.56	2.40
:45	.78	2.40	:10:00	1.28	.18	:16	.32	1.20	July 24			:17	.62	3.60
:47	.92	4.20	:10	1.30	.12	:19	.32	0	<i>p. m.</i>			:18	.68	3.60
:48	1.02	6.00	STORM OF JULY 11			:20	.36	2.40	8:36	0		:19	.69	.60
:50	1.08	1.80	July 11			:24	.47	1.65	:38	.02	0.60	1:20	.71	.02
:52	1.15	2.10	<i>a. m.</i>			:25	.47	0	:40	.07	1.50	3:00	.72	.02
:55	1.32	3.40	7:41	.07	1.05	:29	.47	0	:45	.29	2.64	STORM OF JULY 26		
4:00	1.39	.84	:45	.20	1.56	:30	.49	1.20	July 26			6:35	0	
:05	1.41	.24	:50	.26	.72	:35	.59	1.20	<i>p. m.</i>			:39	.01	.15
:10	1.44	.36	:55	.39	3.90	:40	.64	.60	:38	.02	0.60	:42	.02	.20
:20	1.45	.06	10:00	1.30	.12	:45	.66	.60	:40	.07	1.50	:45	.03	.20
:30	1.46	.06	:10	1.30	.12	:51	.66	0	:45	.29	2.64	:51	.04	.10
STORM OF JUNE 23			STORM OF JULY 15			STORM OF JULY 15			:50	.33	.48	:52	.24	.60
June 23			July 15			4:30	0		:55	.35	.24	7:00	.05	.07
<i>p. m.</i>			<i>p. m.</i>			:20	.66	.60	9:00	.35	0	8:30	.05	0
8:28	.03	(1)	4:00	.01	0.03	:25	.68	.30	:20	.36	.03	9:10	.06	.01
:30	.15	3.60	:13	.01	0	:30	.69	.12	:40	.36	0	:25	.07	.04
:32	.28	3.90	:15	.02	.30	:35	.70	.12	10:00	.37	.03	STORM OF AUG. 27		
:35	.53	5.00	:20	.03	.12	:40	.70	.12	STORM OF JULY 26			Aug. 27		
:40	.59	.72	:40	.03	0	:45	.70	.12	July 26			12:34	0	
:50	.64	.30	:45	.04	.12	:50	.70	.12	<i>p. m.</i>			:38	.02	0.30
9:00	.66	.12	:50	.04	0	:55	.70	.12	5:40	0		:44	.03	.10
:10	.69	.18	:55	.06	1.20	6:18	.64	0	:50	.01	0.06	:46	.11	2.40
:20	.72	.18	5:00	.09	.30	:20	.66	.60	:55	.06	.36	:48	.18	2.10
:30	.75	.18	:10	.10	.03	:25	.68	.30	:55	.06	.36	:49	.21	1.80
:40	.78	.18	:20	.10	.03	:30	.69	.12	:55	.06	.36	:52	.24	.60
:50	.80	.12	:30	.11	.15	:35	.69	.12	:55	.06	.36	:54	.25	.30
:30	.82	.12	:40	.11	.15	:40	.70	.12	:55	.06	.36	1:04	.26	.06
STORM OF JUNE 25			:50	.12	.06	STORM OF JULY 15			:55	.06	.36	:14	.26	0
June 25			:55	.13	.06	July 15			:55	.06	.36	:16	.29	.90
<i>p. m.</i>			:55	.14	.06	<i>p. m.</i>			:55	.06	.36	:22	.30	.10
6:20	0		:55	.14	0	10:00	0		5:40	0		STORM OF JULY 26		
:40	.01	0.03	:55	.16	.60	:10	.02	0.12	:50	.01	0	Aug. 27		
STORM OF JUNE 25			:55	.16	0	:20	.02	0	:55	.01	0	12:34	0	
June 25			:55	.16	0	:30	.03	.12	:55	.01	0	:38	.02	0.30
<i>p. m.</i>			:55	.16	0	:35	.03	.12	:55	.01	0	:44	.03	.10
6:20	0		:55	.16	0	:40	.04	.12	:55	.01	0	:46	.11	2.40
:40	.01	0.03	:55	.16	0	:45	.04	0	:55	.01	0	:48	.18	2.10
STORM OF JUNE 25			:55	.16	0	:50	.06	.24	:55	.01	0	:49	.21	1.80
June 25			:55	.16	0	:55	.06	.24	:55	.01	0	:52	.24	.60
<i>p. m.</i>			:55	.16	0	6:00	.06	.24	:55	.01	0	:54	.25	.30
6:20	0		:55	.16	0	:55	.06	.24	:55	.01	0	1:04	.26	.06
:40	.01	0.03	:55	.16	0	6:00	.06	.24	:55	.01	0	:14	.26	0
STORM OF JUNE 25			:55	.16	0	:55	.06	.24	:55	.01	0	:16	.29	.90
June 25			:55	.16	0	:55	.06	.24	:55	.01	0	:22	.30	.10
<i>p. m.</i>			:55	.16	0	:55	.06	.24	:55	.01	0	STORM OF JULY 26		
6:20	0		:55	.16	0	:55	.06	.24	:55	.01	0	July 26		
:40	.01	0.03	:55	.16	0	:55	.06	.24	:55	.01	0	<i>p. m.</i>		
STORM OF JUNE 25			:55	.16	0	:55	.06	.24	:55	.01	0	7:26	0	
June 25			:55	.16	0	:55	.06	.24	:55	.01	0	:30	.01	0.15
<i>p. m.</i>			:55	.16	0	:55	.06	.24	:55	.01	0	8:30	.02	.01
6:20	0		:55	.16	0	:55	.06	.24	:55	.01	0	9:50	.03	.01
:40	.01	0.03	:55	.16	0	:55	.06	.24	:55	.01	0	10:00	.04	.06
STORM OF JUNE 25			:55	.16	0	:55	.06	.24	:55	.01	0	:03	.05	.20
June 25			:55	.16	0	:55	.06	.24	:55	.01	0	:07	.07	.30
<i>p. m.</i>			:55	.16	0	:55	.06	.24	:55	.01	0	:11	.08	.15
6:20	0		:55	.16	0	:55	.06	.24	:55	.01	0	:12	.11	1.80
:40	.01	0.03	:55	.16	0	:55	.06	.24	:55	.01	0	:14	.13	.60
STORM OF JUNE 25			:55	.16	0	:55	.06	.24	:55	.01	0	:16	.15	.60
June 25			:55	.16	0	:55	.06	.24	:55	.01	0	11:00	.15	0
<i>p. m.</i>			:55	.16	0	:55	.06	.24	:55	.01	0	:05	.17	.24
6:20	0		:55	.16	0	:55	.06	.24	:55	.01	0	:06	.20	1.80
:40	.01	0.03	:55	.16	0	:55	.06	.24	:55	.01	0	:08	.24	

<sup>1</sup> No intensity record.



TABLE 56.—Rainfall at station 115 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF AUG. 27—Con.			STORM OF AUG. 27—Con.			STORM OF AUG. 30—Con.			STORM OF SEPT. 24-25—Con.			STORM OF DEC. 16—Con.		
Aug. 27			Aug. 27			Aug. 30			Sept. 24			Dec. 16		
a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
1:24-----	0.31	0.30	7:19-----	1.89	2.80	8:40-----	0.63	0.06	9:20-----	0.07	0.06	5:41-----	0.46	0.60
:32-----	.32	.08	:25-----	1.94	.50	:50-----	.65	.12	:30-----	.07	0	7:00-----	.47	.04
:34-----	.33	.30	:36-----	1.97	.17	9:00-----	.66	.06	:40-----	.09	.12	8:29-----	.47	0
:37-----	.35	.40	8:00-----	2.01	.10	:03-----	.67	.20	:55-----	.10	.04	:30-----	.48	.60
8:35-----	0					:15-----	.67	0	10:00-----	.11	.12			
:39-----	.02	.30	STORM OF AUG. 29			:25-----	.68	.06	:05-----	.16	.60	p. m.		
:40-----	.03	.60				:40-----	.70	.08	:20-----	.18	.08	1:20-----	.48	0
:42-----	.04	.60				:50-----	.73	.18	:28-----	.22	.30	:33-----	.49	.05
:45-----	.07	.60				10:00-----	.75	.12	:32-----	.33	1.65	:34-----	.56	4.20
9:03-----	.07	0	Aug. 29			:10-----	.78	.18	:37-----	.45	1.44	:38-----	.58	.30
:07-----	.09	.30	p. m.			:20-----	.82	.24	:40-----	.52	1.40	:40-----	.59	.30
:11-----	.10	.15	3:16-----	0		:30-----	.88	.36	:45-----	.58	.72	:49-----	.59	0
:13-----	.13	.90	:20-----	.02	0.30	:40-----	.93	.30	:50-----	.60	.24	:50-----	.60	.60
:15-----	.16	.90	:23-----	.04	.40	:50-----	.96	.18	11:00-----	.62	.12			
:23-----	.16	0	:24-----	.08	2.40	11:00-----	.98	.12	:20-----	.64	.06	STORM OF DEC. 25-26		
:24-----	.18	1.20	:26-----	.10	.60	:10-----	.99	.06	:40-----	.66	.06	Dec. 25		
:26-----	.20	.60	:30-----	.10	0	:20-----	1.01	.12	12:00-----	.69	.09	p. m.		
:28-----	.25	1.50	:32-----	.18	2.40	:40-----	1.01	0				11:00-----	0	0.09
:30-----	.27	.60	:36-----	.22	.60	:50-----	1.03	.12	Sept. 25			:20-----	.03	.06
:31-----	.30	1.80	:40-----	.23	.15	12:00-----	1.05	.12	a. m.			:30-----	.04	.06
:32-----	.31	.60	4:15-----	.23	0				12:20-----	.71	.06	:40-----	.05	.06
:33-----	.33	1.20	:20-----	.24	.12	p. m.			:40-----	.74	.09	:50-----	.07	.12
:34-----	.35	1.20	:28-----	.24	0	12:10-----	1.06	.06	:50-----	.77	.18	12:00-----	.09	.12
:36-----	.36	.30	:30-----	.28	1.20	:12-----	1.08	.60	:10-----	.79	.12			
:37-----	.38	1.20	5:04-----	.28	0	:11-----	1.10	.08	:20-----	.82	.18	Dec. 26		
:39-----	.40	.60	:06-----	.33	1.50	4:22-----	1.10	0	:30-----	.85	.18	a. m.		
:41-----	.41	.30	:15-----	.33	0	:30-----	1.14	.30	:40-----	.89	.24	12:10-----	.11	.12
:55-----	.41	0	:20-----	.37	.48	:48-----	1.14	0	:50-----	.91	.12	:20-----	.12	.06
:56-----	.47	3.60	:30-----	.38	.06	:50-----	1.15	.30	:10-----	.93	1.20	:40-----	.13	.03
:57-----	.50	1.80	:40-----	.43	.30	5:00-----	1.16	.06	:20-----	.96	.06	:50-----	.14	.06
:58-----	.54	2.40	:45-----	.45	.24	:20-----	1.17	.03	2:00-----	.97	.06	1:10-----	.15	.03
10:00-----	.60	1.80	:50-----	.47	.24	STORM OF SEPT. 9-10			:30-----	1.01	.18	:30-----	.16	.03
:02-----	.62	.60	6:00-----	.49	.12	Sept. 9			:40-----	1.04	.18	:40-----	.17	.03
:05-----	.70	1.60	:20-----	.50	.03	p. m.			:50-----	1.05	.20	:50-----	.17	0
:10-----	.79	1.08	:30-----	.52	.12	11:42-----	0		:10-----	1.05	0	:30-----	.18	.04
:20-----	.87	.48	:38-----	.54	.15	12:00-----	.02	0.07	:20-----	1.06	.06	:45-----	.19	.04
:22-----	.96	2.70	:40-----	.59	1.50	Sept. 10			:30-----	1.07	.06	3:00-----	.20	.03
:31-----	1.07	.74	:50-----	.62	.18	a. m.			:40-----	1.09	.12	:20-----	.21	.02
:33-----	1.12	1.50	7:28-----	.62	0	12:05-----	.02	0				4:00-----	.21	.02
:40-----	1.12	0	:30-----	.63	.30	:10-----	.04	.24	STORM OF DEC. 16			Dec. 27		
:44-----	1.17	.75	:50-----	.65	.06	:14-----	.05	.15	Dec. 16			p. m.		
11:18-----	1.17	0	8:00-----	.66	.06	:20-----	.08	.30	a. m.			3:48-----	0	0.15
:22-----	1.18	.15	:20-----	.67	.03	:30-----	.10	.12	12:10-----	0	0.03	4:00-----	.03	.06
STORM OF AUG. 30						:33-----	.11	.20	:30-----	.01	.06	:10-----	.04	.06
Aug. 30						:36-----	.12	.20	:40-----	.02	.06	:20-----	.05	.06
a. m.						:50-----	.13	.04	:50-----	.04	.06	:30-----	.07	.12
1:42-----	0					:15-----	.14	.02	:18-----	.07	.09	:35-----	.10	.36
:50-----	.02	0.15				:24-----	.15	.07	:30-----	.11	.30	:40-----	.11	.12
2:10-----	.03	.03				:32-----	.16	.08	:40-----	.14	.15	:50-----	.16	.30
:30-----	.04	.03				:38-----	.18	.20	:50-----	.16	.12	5:00-----	.17	.06
3:20-----	.04	0				:40-----	.24	1.80	:10-----	.19	.06	:10-----	.19	.12
:22-----	.05	.30				:50-----	.29	.30	:20-----	.20	.09	:25-----	.20	.04
4:10-----	.05	0				2:00-----	.32	.18	:30-----	.23	.23	:30-----	.21	.12
:20-----	.07	.12				:10-----	.37	.30	:40-----	.25	.06	:05-----	.22	.12
:45-----	.08	.02				:45-----	.37	0	:50-----	.26	.06	:10-----	.23	.12
5:20-----	.08	0				:50-----	.38	.03	:15-----	.27	.08	9:15-----	.23	0
:30-----	.09	.06				3:00-----	.39	.06	:30-----	.29	.60	10:00-----	.25	.03
6:06-----	.09	0				:20-----	.39	0	:48-----	.30	.30	:10-----	.26	.06
:10-----	.11	.30				:30-----	.40	.06	:50-----	.32	.15	:25-----	.27	.04
:20-----	.13	.12				STORM OF SEPT. 24-25			:10-----	.34	.12	:30-----	.28	.12
:30-----	.17	.24				Sept. 24			:15-----	.35	.12	11:10-----	.28	0
:40-----	.23	.36				p. m.			:20-----	.36	.12	:40-----	.29	.02
:50-----	.29	.36				8:15-----	0		:30-----	.38	.12	12:00-----	.30	.03
7:00-----	.37	.48				:20-----	.04	0.48	:40-----	.39	.06	STORM OF DEC. 28		
:10-----	.44	.42				:24-----	.06	.30	:50-----	.41	.12	Dec. 28		
:20-----	.49	.30				9:10-----	.06	0	:10-----	.42	.06	a. m.		
:30-----	.52	.18							:20-----	.43	.03	3:30-----	0	
:40-----	.54	.12							:30-----	.44	.06	4:00-----	.02	0.04
:50-----	.56	.12							:40-----	.45	.60			
8:00-----	.57	.06							:50-----	.45	0			
:10-----	.59	.12												
:20-----	.61	.12												
:30-----	.62	.06												



TABLE 57.—*Rainfall at station 116 for selected storms, 1940*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JAN. 14			STORM OF FEB. 9-11—Con.			STORM OF FEB. 18			STORM OF MAR. 2-4—Con.			STORM OF MAR. 30		
Jan. 14			Feb. 10			Feb. 18			Mar. 2			Mar. 30		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
7:10	0		3:30	0.16	0	5:00	0		10:40	0.52	0.06	4:30	0	
:20	.03	0.18	4:00	.17	.02	:30	.02	0.04	:50	.53	.06	:45	.01	0.04
:30	.09	.36	5:00	.17	0	6:30	.02	0	11:00	.56	.18	5:00	.03	.08
:40	.12	.18	:20	.18	.03	7:00	.04	.04	:10	.58	.12	:15	.04	.04
:50	.13	.06	:40	.18	0	:30	.06	.04	:20	.60	.12	:30	.05	.04
8:00	.17	.24	6:00	.19	.03	8:00	.07	.02	:30	.65	.60	:45	.07	.08
:10	.22	.30	:20	.19	0	:30	.08	.02	:40	.69	.24	6:00	.09	.08
:20	.25	.18	:40	.20	.03	:45	.08	0	:50	.72	.18	:15	.11	.08
:30	.29	.24	7:00	.20	0	:50	.09	.12	12:00	.74	.12	:30	.13	.08
:40	.36	.42	:30	.21	.02	9:20	.09	0				:45	.16	.12
:50	.42	.36	9:42	.21	0	:30	.10	.06	Mar. 3			7:00	.18	.08
9:00	.46	.24	:44	.23	.60	10:40	.10	0	<i>a. m.</i>			:15	.20	.08
:10	.48	.12	:45	.23	0	11:00	.11	.03	12:15	.77	.12	:30	.22	.08
:15	.49	.12	10:10	.23	0	:20	.12	.03	:45	.85	.20	8:00	.23	.02
:20	.51	.24	:20	.24	.06	:40	.13	.03	:50	.90	.20	:30	.25	.04
:25	.52	.12	:50	.24	0	12:00	.14	.03	:15	.93	.12	9:00	.26	.02
:30	.54	.24	11:00	.25	.06	<i>p. m.</i>			:30	.96	.12	:30	.28	.04
:35	.56	.24	:20	.26	.03	12:20	.16	.06	:45	.99	.12	:45	.29	.04
:40	.56	0	12:00	.26	0	:40	.18	.06	2:00	1.01	.08	11:00	.29	0
:50	.57	.06	<i>p. m.</i>			1:00	.20	.06	5:00	1.01	0	:30	.30	.02
:54	.58	.15	12:30	.27	.02	:20	.22	.06	6:00	1.02	.01	12:00	.31	.02
:55	.58	0	3:37	.27	0	:40	.24	.06	7:00	1.03	.01	<i>p. m.</i>		
10:00	.58	0	:40	.28	.20	2:15	.24	0	8:00	1.04	.01	12:15	.34	.12
:10	.61	.18	:43	.28	0	:20	.25	.12	11:30	1.04	0	:30	.37	.12
:30	.61	0	:45	.30	.60	:30	.26	.06	12:00	1.05	.02	:45	.40	.12
:40	.63	.12	:48	.31	.20	:40	.28	.12				1:00	.45	.20
:50	.66	.18	:50	.33	.60	:50	.30	.12	<i>p. m.</i>			:15	.49	.16
11:00	.68	.12	:55	.34	.12	3:00	.30	0	5:05	1.05	0	:30	.53	.16
:10	.70	.12	4:00	.36	.24	:10	.32	.12	:08	1.08	.60	:45	.57	.16
:20	.72	.12	:05	.40	.48	:20	.33	.06	:10	1.09	.30	2:00	.58	.04
:30	.73	.06	:10	.42	.24	:30	.35	.12	:15	1.13	.48	:15	.60	.08
:40	.75	.12	:15	.43	.12	:35	.36	.12	:20	1.14	.12	:30	.62	.08
STORM OF FEB. 6			:20	.44	.12	:40	.38	.24	:25	1.15	.12	:45	.64	.08
Feb. 6			:25	.45	.12	:50	.39	.06	:30	1.15	0	3:00	.67	.12
<i>a. m.</i>			:27	.45	0	4:00	.40	.06	:45	1.16	.04	:15	.70	.12
6:40	0		:30	.47	.40	:20	.42	.06	:50	1.17	.04	:30	.73	.12
7:00	.01	0.03	:35	.49	.24	:40	.43	.03	6:00	1.18	.04	:45	.76	.12
:20	.03	.06	:40	.50	.12	5:00	.45	.06	:15	1.21	.12	4:00	.77	.04
:40	.04	.03	:50	.50	0	:20	.46	.03	:30	1.21	.12	:30	.79	.04
8:00	.07	.09	:55	.52	.24	:40	.46	0	:45	1.25	.16			
:20	.09	.06	5:00	.53	.12	:20	.47	.03	7:00	1.26	.04			
:40	.11	.06	:05	.54	.12	:40	.47	0	:15	1.28	.08			
:50	.13	.06	:10	.56	.24	:20	.48	.03	:30	1.30	.08			
9:00	.13	.06	:20	.59	.18	7:20	.48	0	9:28	1.30	0			
:20	.16	.09	:30	.60	.06	:30	.49	.06	:30	1.31	.30			
:40	.20	.12	:35	.60	0		.60		:31	1.33	1.20			
10:00	.25	.15	:40	.63	.36	STORM OF MAR. 2-4			:35	1.34	.15			
:20	.32	.21	:45	.65	.21	Mar. 2			:40	1.34	0			
:45	.32	0	:50	.66	.12	<i>a. m.</i>			:45	1.36	.24			
:50	.33	.12	:55	.66	.06	7:45	.01	0.04	:50	1.38	.24			
11:50	.33	0	6:00	.67	.08	:15	.03	.08	:55	1.39	.12			
12:00	.34	.06	:10	.70	.16	:30	.05	.08	10:00	1.40	.12			
STORM OF FEB. 9-11			:20	.72	.12	:45	.07	.08	:15	1.41	.04			
Feb. 9			:30	.74	.12	9:00	.10	.12	:30	1.43	.08			
<i>p. m.</i>			:40	.76	.12	:15	.12	.08	11:00	1.44	.02			
3:00	0		:50	.76	0	:30	.14	.08	12:00	1.46	.02			
:30	.01	0.02	:55	.77	.12	:45	.16	.08						
:40	.01	0	7:10	.77	0	:50	.17	.04	<i>a. m.</i>					
5:00	.03	.02	:20	.78	.06	8:00	.17	.04	12:30	1.48	.04			
6:00	.03	0	:30	.79	.06	:30	.19	.08	:45	1.49	.04			
:20	.04	.03	8:16	.79	0	:45	.21	.08	1:00	1.51	.08			
:40	.05	.03	:20	.80	.15	:50	.22	.02	:15	1.52	.04			
7:00	.08	.09	:33	.80	0	11:00	.23	.02	:30	1.53	.04			
:20	.09	.03	:35	.81	.30	:30	.24	.02						
9:00	.09	0	:40	.82	.12	4:00	.25	.01	<i>p. m.</i>					
:20	.12	.09	:42	.83	.30	4:45	.25	0	5:20	0	0.06			
:30	.14	.12	:45	.83	0	5:00	.30	.20	:30	.01	0			
:40	.15	.06	:50	.83	0	:15	.34	.16	:40	.01	0			
10:30	.15	0	:52	.84	.30	:30	.37	.12	:45	.04	.36			
11:00	.16	.02	:55	.84	0	:45	.38	.12	:50	.07	.36			
STORM OF FEB. 9-11—Con.			9:10	.84	0	6:30	.38	0	:55	.10	.36			
Feb. 11			:15	.85	.12	7:00	.39	.02	6:00	.11	.12			
<i>a. m.</i>			:50	.85	0	8:45	.39	0	:05	.13	.24			
3:00	0		:55	.86	.06	9:00	.43	.16	:10	.17	.48			
:30	.01	0.02	10:00	.86	0	:15	.47	.16	:15	.22	.60			
:40	.01	0	:30	.86	.06	:20	.48	.12	:20	.24	.24			
5:00	.03	.02	:40	.87	.06	:30	.48	0	:30	.26	.12			
6:00	.03	0	:50	.87	0	:40	.50	.12	:40	.28	.12			
:20	.04	.03	:52	.88	.12	10:20	.50	0	:50	.29	.06			
:40	.05	.03		.88		:30	.51	.06	7:00	.31	.12			
7:00	.08	.09		.88										
:20	.09	.03		.88										
9:00	.09	0		.88										
:20	.12	.09		.88										
:30	.14	.12		.88										
:40	.15	.06		.88										
10:30	.15	0		.88										
11:00	.16	.02		.88										



TABLE 57.—Rainfall at station 116 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF APR. 7-8—Con.			STORM OF APR. 11-12—Con.			STORM OF APR. 19-20—Con.			STORM OF MAY 19—Con.			STORM OF MAY 23-24—Con.		
Apr. 7			Apr. 11			Apr. 20			May 19			May 24		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
10:50	0.20	0.12	8:55	0.99	0.36	12:10	1.64	0	1:40	0.14	0.60	10:30	1.37	0
:57	.20	0	9:00	1.01	.24	:20	1.65	.06	:45	.15	.12	:40	1.38	.06
11:00	.22	.40	:05	1.03	.24	:30	1.65	0	:50	.16	.12	:50	1.39	.06
Apr. 8			:10	1.03	0	:40	1.66	.06	:53	.20	.80	11:00	1.41	.12
a. m.			:15	1.06	.36	5:25	1.66	0	:55	.25	1.50	:08	1.41	0
3:38	.22	0	:20	1.07	.12	:30	1.68	.24	:57	.27	.60	:10	1.42	.30
:40	.24	.60	:25	1.09	.24	:40	1.69	.06	3:00	.31	.84	:15	1.44	.24
:45	.26	.24	:30	1.11	.24	:50	1.70	.06	:10	.32	.06	:20	1.46	.24
:47	.27	.30	:35	1.12	.12	6:00	1.70	0				:30	1.49	.18
:50	.27	0	:40	1.14	.24	:10	1.71	.06	STORM OF MAY 23-24			:40	1.53	.24
:55	.27	0	:45	1.15	.12	:20	1.72	.06	May 23			:50	1.56	.18
4:00	.30	.36	:50	1.16	.12	:30	1.79	.42	p. m.			12:00	1.58	.12
:05	.32	.24	:55	1.19	.36	:40	1.86	.42	2:00	0				
:10	.33	.12	10:00	1.21	.24	:50	1.91	.30	:20	.02	0.06	12:20	1.58	0
:20	.35	.12	:05	1.22	.12	7:00	1.97	.36	:40	.03	.03	:30	1.59	.06
5:30	.35	0	:10	1.23	.12	:10	2.01	.24	:50	.05	.06	:35	1.62	.12
6:00	.36	.02	:20	1.25	.12	:20	2.02	.06	3:00	.05	.06	:40	1.62	0
:40	.36	0	:30	1.28	.18	:30	2.04	.12	:30	.05	0	:55	1.64	.60
:50	.37	.06	:35	1.28	0	:40	2.08	.24	4:00	.06	.02	2:00	1.68	.48
7:10	.37	0	:40	1.30	.24	:50	2.10	.12	:30	.06	0	:05	1.70	.24
:20	.39	.12	:50	1.30	0	9:40	2.10	0	5:00	.07	.02	:10	1.71	.12
:30	.40	.06	11:00	1.31	.06	:50	2.11	.06	6:00	.07	0	:20	1.72	.06
11:18	.40	0	:05	1.32	.12	10:00	2.12	.06	:30	.08	.02			
:20	.42	.60	:18	1.32	0	:10	2.14	.12	:40	.08	0	STORM OF MAY 29-30		
:30	.44	.12	:20	1.34	.60	STORM OF MAY 6			8:30	.08	0	May 29		
:40	.44	0	:30	1.34	0	May 6			:40	.09	.06	p. m.		
:50	.45	.06	:40	1.35	.06	p. m.			11:30	.09	0	6:25	0	
12:00	.46	.06	:50	1.36	.06	6:20	0		12:00	.10	.02	:27	.02	0.60
STORM OF APR. 11-12			12:00	1.37	.06	:25	.01	0.12				:30	.06	2.40
Apr. 11			Apr. 12			:39	.01	0	May 24			:35	.11	1.50
a. m.			a. m.			:40	.04	1.80	a. m.			:40	.13	.12
10:00	0		12:20	1.38	.03	:42	.09	1.50	12:30	.11	.02	:50	.14	.06
11:00	.01	0.01	STORM OF APR. 19-20			:43	.14	3.00	:40	.12	.06	7:50	.14	0
12:00	.01	0	Apr. 19			:45	.22	2.40	:50	.13	.06	8:00	.15	.06
p. m.			a. m.			:47	.31	2.70	:50	.15	.06	9:28	.15	0
12:30	.02	.02	5:00	0		:48	.39	4.80	:50	.18	.18	:30	.17	.60
1:00	.03	.02	:30	.01	0.02	:50	.47	2.40	:50	.21	.18	:35	.19	.24
:20	.06	.09	6:00	.02	.02	:52	.55	2.40	:50	.23	.12	:40	.23	.48
:40	.08	.06	:30	.02	0	:53	.58	1.80	:50	.25	.12	:45	.26	.36
2:00	.10	.06	7:00	.03	.02	:55	.61	.90	2:00	.26	.06	:50	.27	.12
:20	.11	.03	8:00	.04	.01	:56	.63	.24	:30	.27	.06	10:00	.28	.06
:30	.12	.06	9:30	.04	0	7:00	.63	0	:40	.29	.12	:10	.29	.06
:40	.14	.12	10:00	.05	.02	:12	.63	0	:50	.31	.12	:20	.30	.06
:50	.17	.18	:30	.06	.02	:15	.64	.20	:50	.33	.12	:25	.32	.24
3:00	.21	.24	:40	.07	.02	:17	.64	0	:50	.34	.06	:30	.34	.24
:05	.23	.24	11:00	.09	.06	:20	.69	1.00	:50	.36	.12	:40	.36	.12
:09	.24	.15	:20	.10	.03	STORM OF MAY 15			:50	.37	.06	:50	.37	.06
:10	.26	1.20	:40	.13	.09	May 15			:50	.38	.12	May 30		
:15	.28	.24	12:00	.13	.09	a. m.			:50	.40	.06	a. m.		
:20	.30	.24	STORM OF MAY 19			11:00	0		:50	.41	.12	1:07	.37	0
:30	.32	.12	Apr. 19			:10	.02	0.12	:50	.43	.18	:10	.39	.40
:40	.36	.24	a. m.			:20	.04	.12	:50	.45	.18	:15	.43	.48
4:00	.39	.09	1:00	.22	.06	:30	.06	.12	:50	.46	.18	:20	.46	.36
:20	.41	.06	:20	.24	.06	:40	.07	.06	:50	.47	.18	:30	.47	.06
:40	.42	.03	2:20	.24	0	:50	.09	.12	6:00	.48	.12	:40	.48	.06
5:00	.45	.09	:40	.25	.03	12:00	.12	.18	:10	.49	.12	:43	.48	0
:05	.45	0	:30	.27	.06	p. m.			:20	.50	.06	:45	.50	.60
:10	.46	.12	4:00	.29	.03	12:10	.15	.18	:30	.51	.03	:50	.53	.36
:20	.49	.18	:20	.31	.06	:20	.19	.24	:40	.53	.06	:53	.53	0
:30	.50	.06	:40	.32	.03	:30	.20	.06	:50	.55	.12	:55	.55	.60
:40	.51	.06	:50	.34	.06	:40	.21	.06	7:00	.56	.12	2:00	.56	.12
6:00	.53	.06	5:00	.37	.06	1:00	.22	0	:10	.58	.12	:40	.57	.03
:20	.55	.06	:20	.41	.12	:10	.22	.06	:20	.59	.12	:50	.59	.06
:40	.59	.12	:40	.44	.00	:40	.22	0	:30	.60	.12	6:10	.59	0
:45	.60	.12	6:00	.48	.12	:50	.24	.12	:40	.61	.06	:20	.60	.06
:50	.62	.24	:20	.51	.09	12:10	.26	.12	:50	.62	.12	:30	.61	.06
:55	.63	.12	:40	.54	.09	:20	.26	0	:50	.63	.12	:40	.64	.06
7:00	.64	.12	7:00	.57	.09	:40	.27	.06	:50	.64	.12	:50	.64	0
:05	.65	.12	:20	.62	.15	:50	.28	.06	8:00	.65	.12	8:00	.66	.12
:10	.67	.24	:40	.66	.12	2:00	.29	.06	:01	.66	.12	:10	.67	.06
:15	.70	.36	8:00	.68	.06	:10	.30	.12	:05	.67	.12	:20	.68	.06
:20	.73	.36	:20	.73	.15	:20	.31	.12	:10	.68	.12	:30	.69	.06
:30	.75	.12	:40	.80	.21	:40	.32	.12	:20	.69	.12	:40	.70	.06
:40	.79	.24	9:00	.87	.21	:50	.33	.12	:30	.70	.12	:50	.71	.06
:50	.81	.12	:20	.92	.15	:50	.34	.12	10:00	.71	.12	10:35	.72	0
8:00	.83	.12	:40	.97	.15	1:00	.35	.12	:10	.72	.12	:40	.74	.24
:05	.84	.12	10:00	1.03	.18	:20	.36	.12	:20	.73	.12	:50	.74	0
:10	.86	.24	:20	1.15	.06	:40	.37	.12	:30	.74	.12	11:00	.75	.06
:15	.88	.24	:40	1.28	.39	2:00	.38	.12	:40	.75	.12			
:20	.89	.12	11:00	1.39	.39	:10	.39	.12	:50	.76	.12			
:25	.90	.12	:20	1.53	.42	:20	.40	.12						
:30	.91	.12	:40	1.63	.30	:40	.41	.12						
:35	.91	0	:50	1.64	.06	:50	.42	.12						
:40	.93	.24	12:00	1.64	.06									
:45	.94	.12												
:50	.96	.24												



TABLE 57.—Rainfall at station 116 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAY 29-30—Con.			STORM OF JUNE 10-11			STORM OF JUNE 18—Con.			STORM OF JUNE 26			STORM OF JUNE 30-JULY 1—Continued		
May 30			June 10			June 18			June 26			June 30		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
1:10	0.75	0	1:15	0		8:10	0.24	0.12	12:15	0		10:30	0.35	0.24
:20	.76	.06	:20	.01	0.12	:20	.27	.18	:20	.02	0.24	:40	.37	.12
:40	.76	0	:23	.04	.60	:30	.30	.18	:22	.08	1.80	:50	.41	.24
2:00	.78	.06	:25	.15	3.30	:40	.30	0	:25	.10	.40	11:00	.44	.18
:20	.78	0	:27	.26	3.30	:42	.31	.30	:30	.10	0	:05	.46	.24
:40	.79	.03	:30	.37	2.20	:55	.31	0	:40	.11	.06	:07	.47	.30
3:00	.80	.03	:32	.46	2.70	9:00	.32	.12	1:02	.11	0	:13	.47	0
:10	.82	.12	:35	.51	1.00	:05	.33	.12	:05	.13	.40	:15	.49	.60
:20	.83	.06	:40	.60	1.08	:10	.34	.12	:10	.13	0	:20	.53	.48
:30	.83	0	:45	.61	.12	:15	.35	.12	:20	.14	.06	:30	.57	.24
:40	.84	.06	2:20	.61	0	:20	.35	0	:50	.14	0	:40	.63	.36
:50	.85	.06	:30	.62	.06	:22	.36	.30	:55	.15	.12	:50	.66	.18
4:00	.85	0	:40	.62	0	:25	.37	.20				12:00	.68	.12
:10	.86	.06	:50	.63	.06	:30	.38	.12	STORM OF JUNE 28			July 1		
:20	.88	.12	:57	.63	0	:33	.38	0	June 28			a. m.		
:30	.90	.12	3:00	.65	.40	:35	.40	.60	7:40	0		12:10	.70	.12
:40	.91	.06	:05	.67	.24	:40	.40	0	a. m.			:20	.71	.06
:50	.92	.06	:10	.69	.24	10:00	.41	.03	:42	.09	2.70	:30	.72	.06
5:00	.93	.06	:15	.71	.24	:08	.41	0	:44	.24	4.50	:41	.72	0
:10	.95	.12	:20	.72	.12	:10	.42	.30	:45	.30	3.60	:45	.74	.30
:20	.96	.06	:25	.75	.36	:12	.44	.60	:46	.35	3.00	:50	.75	.12
:30	.96	0	7:05	.75	0	:15	.46	.40	:50	.40	.75	:55	.76	.12
:40	.97	.06	:10	.76	.12	11:02	.46	0	:51	.47	4.20	1:23	.76	0
:50	.98	.06	:20	.76	0	:05	.49	.60	:55	.48	.15	:25	.77	.30
:55	.99	.12	:30	.77	.06	:10	.52	.36	:56	.48	.15	:30	.77	0
6:00	1.00	.12	June 11			:12	.52	0	8:02	.48	0	:40	.78	.06
:20	1.01	.03	a. m.			:15	.56	.80	:03	.50	1.20	:50	.79	.06
:40	1.02	.03	3:45	.77	0	:18	.58	.40	:05	.51	.30	2:00	.80	.06
7:00	1.04	.06	:50	.79	.24	:20	.58	0	:06	.51	0	:10	.81	.06
:30	1.04	0	:55	.80	.12	3:35	.60	0	:10	.64	1.95	STORM OF JULY 11		
:40	1.05	.06	4:02	.80	0	:40	.61	.30	:12	.69	1.50	July 11		
:50	1.06	.06	:05	.84	.80	:42	.61	0	:52	.69	0	p. m.		
8:00	1.08	.12	:08	.87	.60	:45	.68	1.40	:55	.71	.40	1:30	0	
:10	1.08	0	:10	.87	0	:46	.72	2.40	:58	.91	4.00	:40	.01	0.06
:20	1.09	.06	:15	.88	.12	:49	.91	3.80	9:00	.93	.60	:45	.01	0
:40	1.11	.06	p. m.			:50	.94	1.80	:02	.96	.90	:50	.03	.24
:50	1.12	.03	12:20	0		:52	1.14	6.00	:05	.97	.20	4:27	.03	0
:20	1.13	.03	:22	.02	.60	:53	1.20	3.60	:08	1.16	3.80	:30	.05	.40
STORM OF JUNE 7			:23	.06	2.40	:55	1.28	2.40	:10	1.17	.30	5:00	.05	0
June 7			:25	.07	.30	:57	1.35	1.40	:13	1.17	0	:01	.06	.60
a. m.			1:04	.07	0	4:00	1.55	6.00	:15	1.19	.60	:03	.16	3.00
11:30	0		:05	.09	1.20	:05	1.59	.48	:20	1.21	.24	:05	.21	1.50
:40	.03	0.18	:07	.10	.30	:10	1.61	.24	:30	1.23	.12	:07	.25	1.20
:50	.07	.24	:25	.10	0	:20	1.64	.18	:40	1.25	.12	:10	.29	.80
12:00	.08	.06	:29	.15	.75	:30	1.65	.06	:50	1.27	.12	:12	.30	.30
p. m.			:30	.20	3.00	STORM OF JUNE 23			10:00	1.31	.24	:15	.32	.40
12:40	.08	0	:32	.27	2.10	June 23			:05	1.33	.24	:20	.45	1.56
:50	.09	.06	:34	.28	.30	a. m.			STORM OF JUNE 30-JULY 1			:23	.45	0
1:00	.10	.06	:39	.28	0	8:21	.04	(1) 3.90	June 30			:25	.46	.30
:10	.13	.18	:40	.32	2.40	:25	.30	5.00	p. m.			:27	.52	1.80
STORM OF JUNE 8-9			:44	.41	1.35	:28	.55		4:00	0		:30	.55	.80
June 8			STORM OF JUNE 12			:29	.61	3.60	:10	.02	0.12	:35	.60	.48
p. m.			June 12			:30	.63	1.20	:30	.02	0	6:12	.60	0
4:18	0		p. m.			:35	.68	.60	:40	.03	.06	:15	.63	.60
:20	.08	2.40	12:12	0		:40	.70	.24	5:00	.03	0	:20	.64	.12
:22	.21	3.90	:15	.03	0.60	:45	.73	.36	:10	.05	.12	:45	.64	0
:24	.27	1.80	:18	.13	2.00	:50	.74	.12	:30	.05	0	:50	.66	.24
:25	.32	3.00	:19	.17	2.40	:55	.74	0	:35	.06	.12	:55	.67	.12
:27	.35	.90	:20	.18	.60	9:00	.75	.12	:37	.07	.30	:58	.68	.20
STORM OF JUNE 9			:25	.19	.12	:20	.82	.21	:40	.09	.40	7:00	.68	0
June 9			:58	.41	4.40	:40	.87	.15	:50	.11	.12	:05	.69	.12
a. m.			8:55	.19	0	:50	.89	.12	6:20	.11	0	STORM OF JULY 22		
1:10	.35	0	:58	.41	4.40	10:00	.90	.06	June 30			July 22		
:15	.37	.24	9:00	.50	2.70	STORM OF JUNE 25			p. m.			2:56	0	
:18	.40	.60	:02	.54	1.20	June 25			4:00	0		3:00	.11	1.65
:23	.40	0	:05	.58	.80	p. m.			:10	.02	0.12	:02	.20	2.70
:25	.43	.90	:10	.60	.24	6:45	0		:30	.02	0	:05	.21	.20
:30	.46	.36	:12	.60	0	:50	.02	0.24	:40	.03	.06	:07	.23	.60
STORM OF JUNE 18			:15	.62	.40	:55	.04	.24	:50	.05	.12	:09	.31	2.40
June 18			STORM OF JUNE 18			7:00	.05	.12	:55	.05	0	:10	.34	1.80
a. m.			June 18			:02	.05	0	:57	.07	.30	:15	.43	1.08
7:46	0		p. m.			:05	.10	1.00	9:38	.22	0	:20	.49	.72
:50	.13	1.95	10:08	.15	.60	:10	.12	.24	:40	.23	.30	:25	.56	.84
:55	.20	.84	:13	.15	.60	:20	.16	.30	:45	.24	.12	:30	.58	.24
8:00	.22	.24	:25	.17	.12	:30	.17	.12	:50	.24	0	:35	.59	.12

1 No intensity record.



TABLE 57.—Rainfall at station 116 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 22—Con.			STORM OF JULY 26—Con.			STORM OF AUG. 25-27—Con.			STORM OF AUG. 29			STORM OF AUG. 30—Con.		
July 22			July 26			Aug. 26			Aug. 29			Aug. 30		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
3:38	0.60	0.20	7:20	0.12	0.45	12:16	0.44	0.60	3:20	0		4:50	1.16	0.03
4:0	.60	0	7:22	0.16	1.20	1:18	.48	1.20	3:24	.06	0.90	5:20	1.19	.06
4:05	.60	0	7:25	.29	2.60	2:0	.58	3.00	3:26	.08	.60	STORM OF SEPT. 8		
4:10	.61	.12	7:26	.31	1.20	2:2	.59	.30	3:28	.12	1.20	Sept. 8		
5:05	.61	0	7:30	.32	.15	2:4	.64	1.50	3:30	.18	1.80	<i>a. m.</i>		
5:10	.62	.12	7:45	.32	0	6:38	.64	0	3:34	.22	.60	8:08		
5:15	.62	0	7:50	.33	.12	6:44	.68	.40	4:0	.23	.10	10		
5:18	.66	.80	7:55	.35	.24	6:48	.70	.30	4:16	.25	.33	11		
5:20	.69	.90	8:00	.39	.48	6:54	.71	.10	4:27	.29	.22	12		
5:22	.70	.30	8:03	.46	1.40	7:01	.71	0	4:29	.31	.60	13		
5:25	.71	.20	8:05	.46	0	<i>p. m.</i>			5:00	.34	.58	14		
7:00	.71	0	8:20	.46	0	6:36	0		5:02	.38	2.40	15		
7:30	.72	.02	8:23	.49	.60	6:40	.02	.30	5:04	.40	.60	16		
8:32	.72	0	8:25	.52	.90	6:47	.04	.17	5:06	.43	.18	17		
8:35	.79	1.40	8:27	.52	0	6:48	.08	2.40	5:08	.46	.30	18		
8:40	.80	.12	8:30	.54	.40	6:52	.21	1.95	5:10	.48	.15	19		
STORM OF JULY 23			STORM OF AUG. 14			6:58	.23	.20	5:12	.50	.30	20		
July 23			Aug. 14			7:04	.24	.10	5:14	.52	.30	21		
<i>p. m.</i>			<i>p. m.</i>			7:16	.25	.05	5:16	.54	.30	22		
12:22	0		1:38	0		7:20	.27	.30	5:18	.56	.30	23		
2:25	.07	1.40	1:46	.03	0.22	7:26	.29	.20	5:20	.58	.30	24		
2:28	.14	1.40	1:56	.05	.12	7:30	.30	.20	5:22	.60	.30	25		
3:0	.17	.90	2:03	.07	.17	7:34	.31	.15	5:24	.62	.30	26		
3:25	.22	.60	2:06	.13	3.60	7:36	.33	.08	5:26	.64	.10	27		
4:27	.22	0	2:08	.19	1.80	7:38	.34	.08	5:28	.66	.06	28		
5:00	.25	.60	2:15	.23	1.20	7:40	.36	.02	5:30	.68	.06	29		
5:34	.30	.75	2:17	.27	.34	7:42	.37	.07	5:32	.70	.30	30		
5:35	.31	.60	2:18	.29	.60	7:44	.38	.08	5:34	.71	.10	31		
5:45	.31	0	2:20	.31	.15	7:46	.40	.30	5:36	.73	.12	32		
5:50	.32	.04	2:23	.37	.90	7:48	.42	.05	5:38	.75	.04	33		
6:00	.32	0	2:24	.41	.60	7:50	.44	.05	5:40	.77	.06	34		
7:00	.33	.01	2:26	.42	.30	7:52	.46	.06	5:42	.78	.05	35		
7:05	.38	.60	2:28			7:54	.48	.13	5:44	.79	.10	36		
7:08	.42	.80	2:30			7:56	.50	.20	5:46	.80	.10	37		
7:10	.47	4.50	2:32			7:58	.52	.20	5:48	.81	.10	38		
7:13	.57	3.80	2:34			8:00	.54	.20	5:50	.82	.10	39		
7:15	.65	2.70	2:36			8:02	.56	.20	5:52	.83	.10	40		
7:18	.76	1.20	2:38			8:04	.58	.20	5:54	.84	.15	41		
7:20	.85	2.70	2:40			8:06	.60	.20	5:56	.85	.15	42		
7:22	.91	1.20	2:42			8:08	.62	.20	5:58	.86	.15	43		
7:24	.94	.90	2:44			8:10	.64	.20	5:60	.87	.15	44		
7:25	.96	.24	2:46			8:12	.66	.20	5:62	.88	.15	45		
STORM OF JULY 24-25			STORM OF AUG. 18			8:14	.68	.20	5:64	.89	.15	46		
July 24			Aug. 18			8:16	.70	.20	5:66	.90	.15	47		
<i>p. m.</i>			<i>p. m.</i>			8:18	.72	.20	5:68	.91	.15	48		
8:33	0		5:58	0		8:20	.74	.20	5:70	.92	.15	49		
8:35	.03	.90	6:01	.10	2.00	8:22	.76	.20	5:72	.93	.15	50		
8:37	.05	.60	6:11	.12	.12	8:24	.78	.20	5:74	.94	.15	51		
8:40	.17	2.40	6:13	.14	3.60	8:26	.80	.20	5:76	.95	.15	52		
8:42	.24	2.10	6:15	.16	5.70	8:28	.82	.20	5:78	.96	.15	53		
8:45	.30	1.20	6:17	.18	4.20	8:30	.84	.20	5:80	.97	.15	54		
8:48	.31	.12	6:19	.20	1.50	8:32	.86	.20	5:82	.98	.15	55		
8:50	.31	.12	6:21	.22	.80	8:34	.88	.20	5:84	.99	.15	56		
8:52	.32	.12	6:23	.24	.80	8:36	.90	.20	5:86	1.00	.15	57		
8:55	.32	.12	6:25	.26	.80	8:38	.92	.20	5:88	1.01	.15	58		
9:00	.33	.12	6:27	.28	2.40	8:40	.94	.20	5:90	1.02	.15	59		
9:02	.34	.03	6:30	.30	1.20	8:42	.96	.20	5:92	1.03	.15	60		
9:04	.34	0	6:32	.32	.08	8:44	.98	.20	5:94	1.04	.15	61		
9:06	.35	.03	6:34	.34	.08	8:46	1.00	.20	5:96	1.05	.15	62		
9:08	.35	0	6:36	.36	.08	8:48	1.02	.20	5:98	1.06	.15	63		
9:10	.36	.02	6:38	.38	.08	8:50	1.04	.20	6:00	1.07	.15	64		
9:12	.36	0	6:40	.40	.08	8:52	1.06	.20	6:02	1.08	.15	65		
9:14	.36	0	6:42	.42	.08	8:54	1.08	.20	6:04	1.09	.15	66		
9:16	.36	0	6:44	.44	.08	8:56	1.10	.20	6:06	1.10	.15	67		
9:18	.36	0	6:46	.46	.08	8:58	1.12	.20	6:08	1.11	.15	68		
9:20	.36	0	6:48	.48	.08	9:00	1.14	.20	6:10	1.12	.15	69		
9:22	.36	0	6:50	.50	.08	9:02	1.16	.20	6:12	1.13	.15	70		
9:24	.36	0	6:52	.52	.08	9:04	1.18	.20	6:14	1.14	.15	71		
9:26	.36	0	6:54	.54	.08	9:06	1.20	.20	6:16	1.15	.15	72		
9:28	.36	0	6:56	.56	.08	9:08	1.22	.20	6:18	1.16	.15	73		
9:30	.36	0	6:58	.58	.08	9:10	1.24	.20	6:20	1.17	.15	74		
9:32	.36	0	6:60	.60	.08	9:12	1.26	.20	6:22	1.18	.15	75		
9:34	.36	0	6:62	.62	.08	9:14	1.28	.20	6:24	1.19	.15	76		
9:36	.36	0	6:64	.64	.08	9:16	1.30	.20	6:26	1.20	.15	77		
9:38	.36	0	6:66	.66	.08	9:18	1.32	.20	6:28	1.21	.15	78		
9:40	.36	0	6:68	.68	.08	9:20	1.34	.20	6:30	1.22	.15	79		
9:42	.36	0	6:70	.70	.08	9:22	1.36	.20	6:32	1.23	.15	80		
9:44	.36	0	6:72	.72	.08	9:24	1.38	.20	6:34	1.24	.15	81		
9:46	.36	0	6:74	.74	.08	9:26	1.40	.20	6:36	1.25	.15	82		
9:48	.36	0	6:76	.76	.08	9:28	1.42	.20	6:38	1.26	.15	83		
9:50	.36	0	6:78	.78	.08	9:30	1.44	.20	6:40	1.27	.15	84		
9:52	.36	0	6:80	.80	.08	9:32	1.46	.20	6:42	1.28	.15	85		
9:54	.36	0	6:82	.82	.08	9:34	1.48	.20	6:44	1.29	.15	86		
9:56	.36	0	6:84	.84	.08	9:36	1.50	.20	6:46	1.30	.15	87		
9:58	.36	0	6:86	.86	.08	9:38	1.52	.20	6:48	1.31	.15	88		
10:00	.36	0	6:88	.88	.08	9:40	1.54	.20	6:50	1.32	.15	89		
10:02	.36	0	6:90	.90	.08	9:42	1.56	.20	6:52	1.33	.15	90		
10:04	.36	0	6:92	.92	.08	9:44	1.58	.20	6:54	1.34	.15	91		
10:06	.36	0	6:94	.94	.08	9:46	1.60	.20	6:56	1.35	.15	92		
10:08	.36	0	6:96											



TABLE 57.—Rainfall at station 116 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF SEPT. 24-25—Con.			STORM OF NOV. 1—Con.			STORM OF NOV. 10-11—Con.			STORM OF NOV. 26—Con.			STORM OF DEC. 16—Con.		
Sept. 24			Nov. 1			Nov. 10			Nov. 26			Dec. 16		
p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour		Inches	Inches per hour	a. m.	Inches	Inches per hour
10:08.....	0.12	0.08	1:00.....	0.83	0.01	7:10.....	0.46	0.24	8:00.....	0.98	0.12	3:08.....	0.38	0.12
12.....	.13	.15	4:18.....	0	-----	3:0.....	.47	.03	9:00.....	1.00	.02	14.....	.40	.20
16.....	.25	1.80	24.....	.02	.20	39.....	.48	.07	12.....	1.02	.06	23.....	.41	.07
17.....	.29	2.40	5:00.....	.03	.02	50.....	.49	.06	34.....	1.04	.10	28.....	.42	.12
18.....	.33	2.40	20.....	.05	.06	8:00.....	.50	.06	43.....	1.06	.13	38.....	.44	.12
20.....	.37	1.20	6:00.....	.06	.02	12.....	.52	.10	46.....	1.08	.40	58.....	.45	.03
21.....	.41	2.40	22.....	.07	.05	20.....	.53	.08	50.....	1.10	.30	4:08.....	.46	.06
22.....	.45	2.40	36.....	.09	.09	22.....	.56	.90	10:00.....	1.12	.12	21.....	.47	.05
23.....	.47	1.20	48.....	.10	.05	24.....	.57	.30	STORM OF DEC. 12			39.....	.48	.03
24.....	.49	1.20	50.....	.14	1.20	26.....	.58	.30	Dec. 12			5:08.....	.49	.02
26.....	.53	1.20	54.....	.16	.60	30.....	.59	.15	a. m.			26.....	.50	.03
28.....	.57	1.20	54.....	.17	.30	35.....	.60	.12	7:30.....	0	-----	7:08.....	.51	.01
31.....	.59	.40	56.....	.19	.60	46.....	.61	.06	8:00.....	.03	0.09	1:08.....	0	-----
34.....	.61	.40	57.....	.21	1.20	9:00.....	.62	.04	10:00.....	.04	.06	18.....	.01	.06
11:00.....	.63	.46	59.....	.23	.60	10:00.....	.63	.02	12:00.....	.05	.01	25.....	.02	.09
12.....	.65	.10	7:00.....	.25	1.20	11:00.....	.64	.02	12:18.....	.10	.03	26.....	.06	2.40
30.....	.67	.07	10.....	.27	.24	12:00.....	.65	.04	30.....	.12	.10	28.....	.08	.60
40.....	.68	.06	14.....	.29	.24	16.....	.66	.03	38.....	.14	.15	32.....	.10	.30
50.....	.69	.06	14.....	.31	.30	34.....	.66	.03	40.....	.15	.06	48.....	.11	.04
12:00.....	.70	.06	STORM OF NOV. 5			44.....	.68	.12	10:00.....	.16	.06	STORM OF DEC. 25-26		
Sept. 25			Nov. 5			54.....	.70	.12	11:00.....	.17	.06	Dec. 25		
a. m.			a. m.			11:00.....	.71	.01	12:00.....	.18	.03	p. m.		
12:10.....	.71	.06	8:40.....	0	-----	12:00.....	.72	.02	12:18.....	.19	.03	10:40.....	0	-----
24.....	.73	.09	9:00.....	.02	0.06	1:30.....	.76	.01	30.....	.20	.10	15:00.....	.02	0.12
34.....	.75	.12	20.....	.04	.06	2:00.....	.77	.02	38.....	.22	.12	11:00.....	.03	.06
40.....	.77	.20	30.....	.06	.12	5:50.....	.77	0	40.....	.23	.12	10.....	.04	.06
52.....	.79	.10	40.....	.08	.12	6:00.....	.78	.06	42.....	.24	.12	28.....	.06	.07
1:00.....	.81	.15	50.....	.10	.12	11.....	.80	.11	44.....	.25	.12	32.....	.07	.15
6.....	.83	.20	10:00.....	.12	.12	14.....	.82	.40	46.....	.26	.12	38.....	.08	.10
16.....	.85	.12	11:00.....	.14	.07	16.....	.84	.60	48.....	.27	.12	45.....	.09	.09
22.....	.87	.20	12:00.....	.16	.02	STORM OF NOV. 26			50.....	.28	.12	50.....	.10	.12
27.....	.89	.24	12:00.....	.18	.15	Nov. 26			52.....	.29	.03	52.....	.11	.06
31.....	.91	.30	12:00.....	.20	.20	p. m.			54.....	.30	.05	STORM OF DEC. 27-30		
39.....	.93	.15	12:04.....	.26	.30	12:30.....	0	-----	56.....	.31	.02	Dec. 27		
47.....	.95	.15	13.....	.28	.20	36.....	.02	0.20	58.....	.32	.03	p. m.		
55.....	.97	.15	20.....	.29	.04	48.....	.04	.20	60.....	.33	.03	3:40.....	0	-----
2:00.....	.99	.24	38.....	.30	.04	55.....	.06	.17	62.....	.34	.02	50.....	.02	0.12
10.....	1.01	.12	44.....	.32	.20	1:00.....	.08	.24	64.....	.35	.02	56.....	.04	.20
34.....	1.03	.05	50.....	.34	.08	2:00.....	.09	.15	66.....	.36	.06	58.....	.05	.15
54.....	1.05	.06	52.....	.36	.08	3:00.....	.10	.10	68.....	.37	.03	60.....	.06	.20
4:30.....	1.08	.02	54.....	.38	.09	4:00.....	.12	.20	70.....	.38	.20	62.....	.07	.03
STORM OF NOV. 1			56.....	.40	.04	4:30.....	.14	.24	72.....	.39	.20	64.....	.08	.02
Nov. 1			58.....	.42	.20	5:00.....	.16	.30	74.....	.40	.12	66.....	.09	.09
a. m.			6:30.....	.44	.20	5:26.....	.18	.30	76.....	.41	.12	68.....	.10	.15
6:30.....	0	-----	6:00.....	.46	.90	6:00.....	.20	.30	78.....	.42	.12	70.....	.11	.06
50.....	.02	0.06	6:36.....	.48	.20	6:30.....	.22	.30	80.....	.43	.12	72.....	.12	.02
7:10.....	.04	.06	STORM OF NOV. 10-11			6:45.....	.25	.45	82.....	.44	.12	74.....	.13	.03
30.....	.06	.06	Nov. 10			6:59.....	.27	.30	84.....	.45	.15	76.....	.14	.06
42.....	.08	.10	p. m.			7:00.....	.29	.30	86.....	.46	.15	78.....	.15	.03
8:00.....	.09	.03	12:00.....	.03	0.18	7:04.....	.30	.12	88.....	.47	.12	80.....	.16	.06
10.....	.10	.06	Nov. 11			7:08.....	.32	.24	90.....	.48	.12	82.....	.17	.03
26.....	.12	.07	a. m.			7:14.....	.33	.20	92.....	.49	.12	84.....	.18	.02
36.....	.14	.12	12:12.....	.06	.15	7:22.....	.34	.15	94.....	.50	.12	86.....	.19	.08
38.....	.16	.60	24.....	.08	.10	7:27.....	.36	.30	96.....	.51	.12	88.....	.20	.02
41.....	.18	.40	38.....	.09	.02	7:31.....	.37	.24	STORM OF DEC. 16			90.....	.21	.02
44.....	.20	.40	50.....	.12	.04	7:37.....	.38	.20	Dec. 16			92.....	.22	.03
46.....	.22	.60	2:00.....	.14	.03	7:41.....	.39	.40	a. m.			94.....	.23	.02
48.....	.24	.60	3:00.....	.16	.04	7:46.....	.40	.30	12:15.....	0	-----	96.....	.24	.15
50.....	.28	1.20	4:00.....	.18	.12	7:54.....	.41	.24	25.....	.01	0.06	98.....	.25	.15
52.....	.30	.60	5:00.....	.20	.24	7:59.....	.42	.15	35.....	.02	.06	100.....	.26	.12
54.....	.32	.60	1:00.....	.22	.24	8:00.....	.44	.24	45.....	.04	.12	102.....	.27	.08
9:00.....	.33	.10	2:00.....	.24	.30	8:04.....	.46	.30	55.....	.06	.10	104.....	.28	.15
14.....	.34	.04	3:00.....	.26	.40	8:08.....	.48	.40	65.....	.08	.17	106.....	.29	.12
28.....	.36	.09	4:00.....	.28	.20	8:12.....	.50	.40	75.....	.10	.30	108.....	.30	.15
38.....	.38	.12	5:00.....	.30	.20	8:16.....	.52	.30	85.....	.12	.30	110.....	.31	.04
46.....	.40	.15	6:00.....	.32	.20	8:20.....	.54	.24	95.....	.14	.30	112.....	.32	.03
10:00.....	.42	.09	7:00.....	.34	.20	8:24.....	.56	.10	105.....	.15	.30	114.....	.33	.01
20.....	.44	.13	8:00.....	.36	.02	8:28.....	.58	.06	115.....	.16	.30	116.....	.34	.01
28.....	.46	.11	9:00.....	.38	.03	8:32.....	.60	.06	125.....	.17	.30	118.....	.35	.01
32.....	.48	.15	10:00.....	.40	.01	8:36.....	.62	.06	135.....	.18	.30	120.....	.36	.06
39.....	.50	.17	11:00.....	.42	.01	8:40.....	.64	.06	145.....	.19	.30	122.....	.37	.03
46.....	.52	.17	12:00.....	.44	.24	8:44.....	.66	.06	155.....	.20	.30			
54.....	.54	.15	1:00.....	.46	.01	8:48.....	.68	.06	165.....	.21	.30			
58.....	.56	.20	2:00.....	.48	.01	8:52.....	.70	.06	175.....	.22	.30			
11:00.....	.58	.20	3:00.....	.50	.01	8:56.....	.72	.06	185.....	.23	.30			
4.....	.60	.30	4:00.....	.52	.01	9:00.....	.74	.12	195.....	.24	.30			
9.....	.63	.36	5:00.....	.54	.01	9:04.....	.76	.10	205.....	.25	.30			
11.....	.65	.15	6:00.....	.56	.01	9:08.....	.78	.01	215.....	.26	.30			
14.....	.67	.40	7:00.....	.58	.01	9:12.....	.80	.06	225.....	.27	.30			
18.....	.69	.30	8:00.....	.60	.01	9:16.....	.82	.13	235.....	.28	.30			
20.....	.71	.60	9:00.....	.62	.01	9:20.....	.84	.12	245.....	.29	.30			
27.....	.73	.17	10:00.....	.64	.01	9:24.....	.86	.12	255.....	.30	.30			
34.....	.75	.17	11:00.....	.66	.01	9:28.....	.88	.06	265.....	.31	.30			
42.....	.77	.15	12:00.....	.68	.01	9:32.....	.90	.12	275.....	.32	.30			
44.....	.79	.60				9:36.....	.92	.12	285.....	.33	.30			
50.....	.81	.20				9:40.....	.94	.12	295.....	.34	.30			
12:00.....	.82	.06				9:44.....	.96	.06	305.....	.35	.30			



TABLE 57.—*Rainfall at station 116 for selected storms, 1940—*Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.		
Dec. 28			Dec. 28			Dec. 29			Dec. 29			Dec. 29		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
2:00-----	0.41	0.02	10:50-----	0.21	0.10	1:46-----	0.43	0.60	4:24-----	0.76	0.15	4:30-----	0.99	0.02
3:00-----	.42	.01	:55-----	.22	.12	:47-----	.44	.60	5:00-----	.77	.02	5:00-----	1.00	.02
4:00-----	.44	.02	:58-----	.24	.40	:49-----	.46	.60	6:00-----	.78	.01	6:00-----	1.01	.01
			11:00-----	.25	.90	:50-----	.48	1.20	7:00-----	.79	.01	7:00-----	1.02	.01
<i>p. m.</i>			:26-----	.26	.02	:56-----	.49	.10	:30-----	.80	.02	:56-----	1.03	.01
6:20-----	0		:30-----	.27	.15	2:00-----	.50	.15	:40-----	.82	.12	8:00-----	1.04	.15
:30-----	.02	.12	12:00-----	.28	.02	:10-----	.52	.12	:50-----	.83	.06	9:00-----	1.05	.01
:38-----	.04	.15				:17-----	.54	.17	8:00-----	.84	.06	10:00-----	1.06	.01
:46-----	.06	.15				:23-----	.56	.20	:18-----	.86	.07	11:00-----	1.07	.01
:50-----	.07	.15	Dec. 29			:27-----	.58	.30	9:00-----	.88	.03	12:00-----	1.08	.01
:56-----	.08	.10	<i>a. m.</i>			:31-----	.60	.30	:08-----	.90	.15			
7:00-----	.09	.15	1:00-----	.29	.01	:40-----	.62	.13	10:00-----	.92	.02			
8:00-----	.10	.01	:36-----	.30	.02	:50-----	.63	.06	11:00-----	.93	.01	Dec. 30		
:40-----	.11	.02	:38-----	.32	.60	3:00-----	.64	.06	12:00-----	.94	.01	<i>a. m.</i>		
9:00-----	.12	.03	:39-----	.34	1.20	:10-----	.66	.12				1:00-----	1.09	.01
:05-----	.14	.24	:40-----	.36	1.20	:20-----	.68	.12	<i>p. m.</i>			:30-----	1.10	.02
:15-----	.16	.03	:41-----	.38	1.20	4:00-----	.69	.02	1:50-----	.95	.02	2:00-----	1.11	.02
10:00-----	.18	.03	:43-----	.40	.60	:09-----	.70	.07	2:00-----	.96	.06	3:00-----	1.12	.01
:37-----	.19	.02	:44-----	.41	.60	:10-----	.72	1.20	3:00-----	.97	.01	:20-----	1.14	.06
:44-----	.20	.09				:16-----	.74	.20	4:00-----	.98	.01			

TABLE 58.—*Rainfall at station 145 for selected storms, 1940*

[illegible]

<sup>1</sup> No intensity record.



TABLE 58.—*Rainfall at station 145 for selected storms, 1940—Continued*

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF MAR. 2-4—Con.			STORM OF APR. 11-12—Con.			STORM OF APR. 19-20—Con.			STORM OF APR. 19-20—Con.			STORM OF JULY 22		
Mar. 3			Apr. 11			Apr. 19			Apr. 20			July 22		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
9:15	1.52	0	8:39	0.88	0.12	7:47	0.59	0.12	9:38	0.45	0.05	2:55	0	0
:30	1.57	.20	:40	.88	0	8:00	.61	.09	:46	.46	.07	:57	.01	.30
:45	1.61	.16	:42	.89	.30	:10	.63	.12	:55	.47	.07	3:00	.02	.20
10:00	1.63	.08	:50	.91	.15	:17	.66	.26	10:00	.48	.12	:05	.02	0
:15	1.65	.08	9:00	.95	.24	:20	.67	.26	:16	.49	.03	:07	.09	2.10
:30	1.66	.04	:06	.97	.20	:24	.68	.15	11:00	.50	.01	:10	.20	2.20
11:00	1.67	.02	:10	.97	0	:28	.70	.30	:20	.51	.03	:13	.31	2.20
:30	1.69	.04	:17	.99	.17	:30	.70	0	:44	.52	.02	:15	.38	2.10
Mar. 4			:20	1.00	.20	:33	.72	.40	12:00	.52	0	:20	.48	1.20
<i>a. m.</i>			:30	1.02	.12	:40	.74	.17				:22	.52	1.20
12:15	1.69	0	:33	1.03	.20	:44	.75	.15	<i>p. m.</i>			:25	.54	.40
:30	1.70	.04	:38	1.05	.24	:48	.76	.15	1:00	.54	.02	:30	.56	.24
:45	1.71	.04	:40	1.05	0	:50	.77	.30	:40	.56	.03	5:12	.59	0
1:00	1.72	.04	:50	1.09	.24	:55	.78	.12	:42	.57	.30	:15	.66	1.40
:30	1.73	.02	:52	1.10	.30	:57	.79	.30	3:04	.57	0	:18	.69	.60
2:00	1.74	.02	:58	1.12	.20	9:00	.79	0	:06	.58	.30	:20	.70	.30
:30	1.75	.02	10:00	1.13	.30	:02	.81	.60	:10	.59	.15	8:29	.70	0
			:02	1.14	.30	:10	.83	.15	8:01	.59	0	:30	.72	1.20
			:10	1.15	.07	:20	.85	.12	:10	.60	.07	:33	.77	1.00
			:13	1.17	.40	:30	.88	.18	:16	.61	.10	:35	.78	.30
			:15	1.19	.03	:32	.89	.30	:54	.62	.02			
			:30	1.21	.12	:40	.90	.07	9:04	.63	.06			
			11:00	1.22	.06	:50	.93	.18	:21	.64	.03			
			:10	1.22	.06	10:00	.97	.24						
			:15	1.23	.12	:04	.98	.15						
			12:00	1.25	.03	:10	1.01	.30						
						:14	1.04	.45	STORM OF JUNE 28					
						:20	1.08	.40	June 28					
						:22	1.09	.30	<i>a. m.</i>					
						:23	1.10	.60	7:42	0				
						:30	1.15	.43	:44	.06	1.80			
						:35	1.18	.36	:45	.21	9.00			
						:36	1.20	1.20	:46	.31	6.00			
						:40	1.22	.30	:48	.49	5.40			
						:50	1.28	.36	:50	.55	1.80			
						:54	1.30	.30	:55	.68	1.56			
						:56	1.31	.30	:58	.76	1.60			
						:59	1.32	.20	8:00	.79	.90			
						11:00	1.32	0	:05	.80	.12			
						:02	1.34	.60	:08	.80	0			
						:07	1.36	.24	:10	.88	2.40			
						:10	1.38	.40	:13	.99	2.20			
						:18	1.44	.45	:15	.99	0			
						:20	1.46	.60	:55	.99	0			
						:27	1.50	.34	:58	1.13	2.80			
						:30	1.52	.40	9:00	1.23	3.00			
						:36	1.55	.30	:02	1.32	2.70			
						:39	1.56	.20	:05	1.38	1.20			
						:40	1.56	0	:08	1.47	1.80			
						:41	1.57	.60	:10	1.55	2.40			
						:50	1.58	.07	:15	1.56	.12			
						:57	1.59	.09	:16	1.59	1.80			
						12:00	1.60	.20	:20	1.60	.15			
									:30	1.62	.12			
									:40	1.65	.18			
									:50	1.67	.12			
									10:00	1.69	.12			
									:10	1.71	.12			
									:20	1.72	.06			
									:30	1.73	.06			
									STORM OF JULY 11					
									July 11					
									<i>p. m.</i>					
									4:25	0				
									:30	.04	0.48			
									:58	.04	0			
									5:00	.07	.90			
									:02	.08	.30			
									:05	.11	.60			
									:06	.14	1.80			
									:10	.16	.30			
									:15	.16	0			
									:18	.18	.40			
									:20	.18	0			
									:22	.18	0			
									:24	.20	.60			
									:25	.23	1.80			
									:28	.30	1.40			
									:30	.31	.30			
									:35	.33	.24			
									6:11	.33	0			
									:13	.35	.60			
									:15	.35	0			
									:46	.35	0			
									:48	.40	1.50			
									:50	.41	.30			
									:55	.43	.24			
									STORM OF JULY 26					
									July 26					
									<i>p. m.</i>					
									5:50	0				
									6:00	.01	0.06			
									:20	.05	.18			
									:30	.05	0			
									:40	.06	.06			
									:45	.08	.24			
									7:12	.08	0			
									:15	.10	.40			
									:16	.11	.60			
									:18	.11	0			
									:20	.16	1.50			
									:25	.18	.24			
									:40	.18	0			
									:43	.19	.20			
									:45	.21	.60			
									:48	.24	.60			
									:50	.28	1.20			
									:53	.33	1.00			
									:54	.37	2.40			
									:55	.38	.60			
									8:00	.49	1.32			
									:02	.50	.30			



TABLE 58.—Rainfall at station 145 for selected storms, 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
STORM OF JULY 26—Con.			STORM OF SEPT. 24-25—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.			STORM OF DEC. 27-30—Con.		
July 26			Sept. 24			Dec. 27			Dec. 28			Dec. 29		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
8:05	0.50	0	11:30	0.55	0.06	4:00	0.06	0.26	11:06	0.13	0.20	9:13	0.47	0.05
:16	.50	0	:40	.57	.12	:30	.12	.12	:14	.14	.08	10:00	.48	.01
:19	.55	1.00	12:00	.60	.09	:34	.16	.60	:22	.16	.15			
						5:00	.26	.23	:44	.18	.05	<i>p. m.</i>		
			Sept. 25			:17	.29	.10	12:00	.20	.08	3:46	.48	0
			<i>a. m.</i>			:26	.32	.20				4:00	.49	.04
			12:15	.61	.04	:56	.32	0				:30	.51	.02
			:30	.63	.08	6:00	.33	.15				5:00	.52	.02
			:45	.68	.20	7:00	.33	0				6:00	.53	.01
			1:00	.72	.16	8:00	.34	.01				7:00	.55	.02
			:15	.77	.20	9:00	.34	0				8:00	.57	.02
			:23	.78	.08	10:00	.37	.03				9:00	.57	0
			:28	.84	.72	11:00	.38	.01				10:00	.58	.01
			:30	.85	.30	12:00	.39	.01				:58	.59	.01
			:45	.90	.20							11:00	.59	0
			:50	.91	.12	Dec. 28						12:00	.60	.01
			2:00	.93	.12	<i>a. m.</i>								
			:10	.95	.12	2:00	.39	0				Dec. 30		
			:20	.97	.12	3:00	.39	0				<i>a. m.</i>		
			:30	.97	0	:20	.40	.03				1:00	.61	.01
			:40	.99	.12							2:00	.61	0
			:50	1.01	.12	<i>p. m.</i>						3:42	.61	0
			3:00	1.02	.06	6:24	0					4:00	.62	.03
			4:00	1.03	.06	:42	.01	.03				5:00	.62	0
						:48	.02	.10				6:00	.63	.01
						7:00	.03	.05				7:00	.64	.01
						:06	.04	.10				8:00	.65	.01
						8:52	.04	0				9:00	.65	0
						9:00	.05	.08				10:00	.65	0
						:30	.07	.04				11:00	.65	0
						10:00	.08	.02				<i>p. m.</i>		
						:43	.09	.01				12:06	.73	.80
						11:00	.11	.07						

TABLE 59.—Rainfall at central meteorological station 1940

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
Jan. 4			Jan. 14			Jan. 17			Feb. 6			Feb. 9		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
10:16 <sup>1</sup>	0		6:18	0		12:40	0.06	.02	6:30	0		7:10	0.09	0
:30	.01	0.04	:23	.01	0.12	1:10	.07	.02	:55	.01	0.02	:30	.10	.03
11:00	.02	.02	:25	.02	.30	:20	.08	.06	7:05	.02	.06	8:40	.10	0
:50	.02	0	:43	.10	.26	2:00	.09	.02	8:00	.07	.05	9:00	.12	.06
			:48	.11	.12	11:30	.09	0	:30	.11	.08	:11	.13	.05
Jan. 5			:56	.12	.08				:54	.16	.12	:16	.14	.12
<i>a. m.</i>			7:20	.21	.22	<i>p. m.</i>			9:16	.18	.05	:22	.15	.10
1:00	.03	.01	:23	.21	0	1:00 <sup>2</sup>	.10	T	:29	.20	.10	:27	.16	.12
2:00	.04	.01	:33	.25	.24				:34	.21	.12			
:30 <sup>2</sup>	.05	.02	:35	.25	0	Jan. 23			10:00	.30	.27	Feb. 10		
			:45	.34	.54	<i>p. m.</i>			:25	.38	.12	<i>a. m.</i>		
Jan. 7			8:11	.47	.30	3:50 <sup>1</sup>	0		:45	.39	.03	1:00	.16	0
<i>p. m.</i>			:16	.47	0	6:00	.02	.01				:30	.17	.02
12:30 <sup>1</sup>	0		:43	.57	.22	8:00	.03	.01				2:30	.17	0
1:40	.01	.01	:58	.59	.08	9:00	.04	.01				3:30	.18	.01
2:30	.01	0	9:00	.60	.30	10:00	.05	.01				5:30	.18	0
3:00	.02	.02	:07	.61	.09				:47	.41	.40	6:20	.19	.01
4:00	.03	.01	:14	.61	0	Jan. 24			:56	.41	0	:40	.20	.03
			:40	.63	.05	<i>a. m.</i>			1:04	.43	.15	:20	.21	.03
Jan. 8			:53	.66	.14	3:00	.05	0	:24	.44	0	:20	.21	0
<i>a. m.</i>			10:03	.70	.24	10:00	.06	T	:27	.45	.20	10:50	.22	.01
8:00	.03	0	:13	.73	.18	11:10 <sup>2</sup>	.07	.01	:28	.47	1.20	11:10	.22	0
10:30 <sup>2</sup>	.04	T	:26	.76	.14				:43	.48	.04			
			:43	.78	.07	Feb. 1			:50	.49	.09	<i>p. m.</i>		
			11:05	.80	.05	Feb. 2			3:22	.49	0	1:00	.24	.01
						<i>p. m.</i>			:37	.51	.08	2:00	.24	0
Jan. 11			<i>p. m.</i>			5:30 <sup>1</sup>	0		4:00	.52	.03	3:20	.25	.01
<i>a. m.</i>			2:17	.80	0				:10	.53	.06	:44	.26	.02
2:20 <sup>1</sup>	0		:23	.82	.20	Feb. 5						:48	.28	.60
3:10	.02	.02	:33	.83	.06	<i>a. m.</i>						:51	.31	.60
:45	.04	.03	Jan. 16			2:00 <sup>2</sup>	.02					:53	.32	.30
4:10	.04	0	<i>a. m.</i>									4:03	.35	.18
5:20	.06	.02	9:00 <sup>1</sup>	0	T							:05	.37	.60
6:10	.06	0	<i>p. m.</i>									:10	.39	.24
:50	.08	.03	2:30	.01	T							:28	.42	.07
10:50 <sup>2</sup>	.08	0	3:00	.01	0							:39	.46	.22
			:30	.02	.02							:50	.47	.05
<i>p. m.</i>			6:00	.03	T							5:00	.48	.06
1:15	.09	T	7:30	.04	T							:21	.53	.14
			12:00	.05	T							:30	.54	.07

<sup>1</sup> Snow began.<sup>2</sup> Snow ended.



TABLE 59.—Rainfall at central meteorological station 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
Feb. 10			Feb. 18			Mar. 2			Mar. 14			Apr. 3		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
5:36	0.55	0.10	10:47	0.49	0.04	8:56	0.40	0.11	7:19	0.13	0	6:11	0.13	0.12
:48	.59	.20	11:07	.49	0	9:04	.42	.15	:25	.14	.10	:12	.15	1.20
6:03	.61	.08	:14	.50	.09	:14	.47	.30	:45	.15	.03	:16	.16	.15
:11	.63	.15	:25 <sup>2</sup>	.51	.05	:26	.49	.10	8:04	.15	0			
:18	.65	.17				:32	.49	0	:16	.16	.05			
:26	.66	.08	Feb. 19			:40	.50	.08	10:00	.16	0	Apr. 7		
:38	.68	.10	<i>p. m.</i>			:50	.51	.06	11:00	.17	.01	<i>p. m.</i>		
:50	.69	.05	6:00	0		10:36	.52	.01	:50 <sup>2</sup>	.18	.01	2:40	0	
:59	.71	.13	:20	.01	.03	:54	.54	.07				:54	.01	.04
7:20	.72	.03	7:25	.02	.01	11:10	.59	.19	Mar. 16			3:15	.01	0
8:00	.74	.03	:55	.03	.02	:26	.62	.11	<i>a. m.</i>			4:42	.02	.01
:06	.74	0	11:20 <sup>1</sup>	.03	0	:38	.68	.30	2:10 <sup>1</sup>	0		5:08	.03	.02
:16	.76	.12				:58	.74	.18	:42	.01	.02	:26	.04	.03
:30	.76	0	Feb. 20						3:00	.02	.03	:34	.05	.08
:35	.77	.12	<i>a. m.</i>			Mar. 3			( <sup>3</sup> )	.15		:40	.07	.20
:43	.79	.15	12:30	.04	.01	12:05	.75	.09				:50	.11	.24
9:50	.80	.01	1:10	.05	.02	:06	.77	1.20	Mar. 18			:59	.14	.21
11:55 <sup>1</sup>	.80	0	:30	.05	0	:10	.77	0	<i>p. m.</i>			6:34	.14	0
Feb. 11			2:00	.07	.04	:18	.78	.08	5:28	0		:44	.16	.12
<i>a. m.</i>			5:40	.07	0	1:08	.94	.19	:32	.02	.30	7:16	.16	0
12:03	.82	.15	6:30	.09	.02	:35	1.00	.13	:41	.05	.20	:23	.18	.18
:16	.83	.05	7:20	.09	0	:55	1.04	.12	:46	.09	.48	10:32	.18	0
:44	.93	.21	:46	.10	.02	2:10	1.06	.08	:58	.13	.20	:45	.21	.15
:46	.94	.30	:55	.11	.07	:20	1.06	0	6:11	.22	.41	11:00	.22	.04
1:16	.94	0	9:30	.11	0	:30	1.07	.06	:30	.25	.10	:09	.23	.07
:21	.95	.12	:45 <sup>2</sup>	.12	.04	5:00	1.07	0	:50	.27	.06			
:50 <sup>2</sup>	.96	.02				:40	1.08	.02	7:10	.28	.03	Apr. 8		
Feb. 13			Feb. 24			6:20	1.10	.03				<i>a. m.</i>		
<i>p. m.</i>			<i>a. m.</i>			:50	1.10	0	Mar. 21	.02	( <sup>3</sup> )	3:45	.23	0
1:50 <sup>1</sup>	0		3:40	0		7:15	1.11	.02				:48	.24	.20
7:30	.01	T	4:30	.01	.01	8:25	1.11	0	Mar. 27			:52	.26	.30
:50	.02	.03	5:30	.01	0	:45	1.12	.03	<i>a. m.</i>			4:00	.26	0
8:10	.02	0	7:00	.02	.01				8:45 <sup>1</sup>	0		:06	.29	.30
:50	.04	.03	:30	.03	.02	<i>p. m.</i>			( <sup>3</sup> )	.21	( <sup>3</sup> )	:14	.31	.14
9:50	.06	.02	8:10	.03	0	5:00	1.12	0				:21	.31	0
10:10	.07	.03	9:00	.04	.01	:05	1.13	.12				:26	.32	.12
:35	.08	.02				:06	1.19	3.60	Mar. 29			6:20	.33	.02
11:50	.10	.02	Feb. 27			:07	1.23	2.40	<i>a. m.</i>			:55	.33	0
Feb. 14			<i>a. m.</i>			:09	1.31	2.40	10:00	0		:57	.36	.90
<i>a. m.</i>			5:15	0		:15	1.36	.50				:58	.37	.60
2:00	.10	0	:30	.01	.04	:20	1.37	.12	:06	.01	.10	7:20	.37	0
3:00	.11	.01	6:00	.04	.06	:35	1.38	.04	:08	.05	1.20	:23	.38	.20
7:00	.11	0	7:00	.10	.06	:55	1.39	.03	:14	.06	.10	:27	.39	.15
11:30 <sup>2</sup>	.12	T	:18	.12	.07	6:05	1.40	.06				8:15	.39	0
Feb. 18			:30	.13	.05	:32	1.44	.09	Mar. 30			:19	.40	.15
<i>a. m.</i>			:35	.13	0	:43	1.45	0	<i>a. m.</i>			:40	.41	.03
6:20	0		:48	.15	.09	7:15	1.51	.11	( <sup>3</sup> )	.30		11:17	.41	0
:55	.01	.02	8:05	.15	0	:25	1.52	.06				:38	.43	.06
7:15	.01	0	:12	.16	.09	:40	1.53	.04	11:50	.30	0	:48	.43	0
:24	.02	.07	:18	.17	.10	9:25	1.53	0	12:00	.31	.06			
:32	.03	.08	:27	.17	.10	:35	1.59	.36				1:14	.44	.01
:54	.06	.08	9:33	.27	.09	:38	1.60	.20	<i>p. m.</i>			Apr. 11		
8:45	.06	0	10:44	.31	.03	:55	1.65	.18	12:05	.31	0	<i>p. m.</i>		
9:00	.07	.04	11:00	.32	.04	10:00	1.66	.12	:30	.35	.10	12:42	0	
10:00	.08	.01	:10	.33	.06	:06	1.67	.10	:36	.35	0	:109	.02	.04
:40	.08	0	:34	.36	.08	:22	1.68	.04	:42	.38	.30	:25	.04	.08
11:02	.09	.03	:50	.36	0	:45	1.70	.05	:26	.48	.19	:37	.05	.05
:28	.11	.05				11:20	1.70	0	:54	.53	.11	2:12	.10	.08
:55	.13	.04	<i>p. m.</i>						2:06	.55	.10	:20	.11	.07
Mar. 2			1:00	.38	.02	Mar. 4			:38	.59	.08	:31	.11	0
<i>a. m.</i>			2:36	.39	.01	12:30	1.71	.01	:42	.64	.12	:41	.13	.12
8:11	0					:50	1.72	.03	:47	.69	.11	:47	.15	.30
:15	.01	.15	Mar. 2			1:05	1.74	.08	:56	.73	.09	:51	.18	.18
:27	.03	.10	<i>a. m.</i>			3:00	1.74	0	4:10	.75	.09	3:05	.21	.45
:35	.04	.08	8:11	.01	.15	5:00	1.75	.01	:30	.75	0	:13	.27	.45
9:23	.13	.11	:15	.03	.10	:20	1.75	0	5:30	.76	.01	:23	.29	.12
:29	.14	.10	:27	.03	.10	6:10	1.76	.01				:31	.31	.15
:49	.16	.06	:35	.04	.08	:30	1.76	0	Mar. 31			:35	.33	.30
10:00	.18	.11	9:23	.13	.11	7:20	1.78	.02	<i>a. m.</i>			:44	.35	.13
:15	.20	.08	:29	.14	.10				7:30	0		4:02	.38	.09
:20	.21	.12	:49	.16	.06	Mar. 12			:50	.01	.06	:16	.40	.08
:30	.22	.06	10:00	.18	.11	<i>p. m.</i>			8:00	.03	.12	:46	.43	.06
:50	.22	0	:15	.20	.08	10:58	0		9:00	.03	0	5:04	.44	.03
11:10	.24	.04	:20	.21	.12	( <sup>3</sup> )	.08	( <sup>3</sup> )	10:50	.04	.01	:11	.46	.18
<i>p. m.</i>			:30	.22	.06	Mar. 14						:12	.47	.60
4:40	.24	.04	:55	.23	.12	<i>a. m.</i>			Apr. 2			:22	.49	.12
:50	.25	.06	11:10	.24	.04	2:40 <sup>1</sup>	0		<i>a. m.</i>			:38	.51	.08
5:05	.28	.12				3:40	.01	.01	10:40	0		:50	.51	0
:09	.30	.30	<i>p. m.</i>			:56	.02	.04	11:30	.01	.01	:50	.53	.12
:24	.34	.16	4:40	.24	0	4:03	.04	.17				:58	.55	.06
:32	.35	.08	5:05	.28	.12	:25	.07	.08	Apr. 3			:57	.57	.10
:38	.37	.20	:09	.30	.30	:45	.08	.03	<i>a. m.</i>			:45	.58	.09
:58	.37	0	:24	.34	.16	5:00	.08	0	11:55	0		:46	.60	1.20
6:00	.38	.30	:32	.35	.08	11	.10	.10				:50	.61	.15
8:45	.38	0	:38	.37	.20	:30	.11	.03				7:06	.65	.16
			:58	.37	0	:50	.11	0				:11	.66	.12
			6:00	.38	.30	6:23	.12	.02	<i>p. m.</i>			:19	.71	.35
			8:45	.38	0	:45	.13	.03	12:25	.01	.02	:26	.73	.18
									1:55	.01	0	:35	.75	.14
									2:21	.12	( <sup>3</sup> )	:44	.78	.21
									6:06	.12	0	8:09	.84	.13
												:15	.87	.30

<sup>1</sup> Snow began.<sup>2</sup> Snow ended.<sup>3</sup> No record.



TABLE 59.—Rainfall at central meteorological station 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
Apr. 11			Apr. 19			Apr. 20			May 15			May 24		
p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour
8:21	0.89	0.20	4:30	0		11:00	2.15	0.01	12:09	0.13	0.13	6:39	0.79	0.22
:30	.90	.07	5:30	.01	.01	:25	2.16	.02	:28	.18	.25	:45	.86	.70
:38	.92	.15	:40	.02	.06	:42	2.17	.03	:31	.20	.17	:53	.90	.30
:44	.93	.10	6:10	.03	.02				:34	.21	.10	7:06	.94	.18
:53	.95	.14	:35	.03	0				:39	.22	.12	:10	.94	0
9:06	1.01	.30	7:10	.04	.02	12:40	2.17	0	1:50	.22	0	:26	.97	.11
:29	1.07	.18	10:46	.04	0	:55	2.18	.04	2:06	.24	.08	:45	.98	.03
:34	1.08	.12	11:04	.06	.06	1:10	2.19	.04	:30	.25	.03	8:05	1.00	.06
:42	1.11	.21	:24	.07	.03	2:40	2.20	.02				:28	1.03	.08
:55	1.13	.10	:42	.09	.06	4:10	2.21	.02				:40	1.03	0
:58	1.15	.40	:58	.11	.08	6:00	2.21	0				:47	1.05	.17
10:03	1.18	.36				:50	2.22	.01				:56	1.07	.13
:13	1.19	.06	p. m.			7:35	2.22	0	1:00	0		9:00	1.10	.45
:41	1.23	.08	12:12	.15	.16	8:00	2.23	.02	3:27	.01	T	:03	1.10	0
:47	1.24	.10	:32	.18	.09	:10	2.23	0	:31	.02	.15	:04	1.13	1.80
:54	1.24	0	1:04	.21	.06	:20	2.24	.06	6:08	.02	0	:12	1.21	.60
11:13	1.26	.06	:34	.23	.04	:50	2.25	.02	:32	.04	.05	:28	1.25	.15
:44	1.27	.02	:48	.24	.04				:50	.05	.03	:35	1.25	0
			2:14	.24	0	May 1			7:10	.06	.03	:51	1.30	.19
Apr. 12			:30	.25	.04	a. m.	0					10:00	1.30	0
a. m.			:36	.26	.10	9:04			May 19			:05	1.32	.24
12:30	1.28	.01	:54	.26	0	10:08	.01	.01				:18	1.33	.05
Apr. 13			3:20	.28	.04	:12	.02	.15	p. m.	0		:40	1.33	0
p. m.			:30	.29	.06	:13	.03	.60	1:14	.04	2.40	:45	1.35	.24
12:20	0		4:00	.30	.02	:16	.05	.40	:21	.05	.10	:55	1.35	0
1:40	.01	.01	:29	.32	.04	:18	.08	.90	2:33	.06	.01	11:05	1.38	.18
:50	.02	.06	:42	.33	.05	:22	.10	.30	:48	.06	0	:12	1.38	0
3:00	.03	.01	5:10	.37	.08	:50	.10	0	:49	.09	1.80	:16	1.39	.15
4:50	.04	.01	:20	.40	.18	11:05	.11	.04	:51	.13	1.20	:19	1.42	.60
Apr. 15			6:04	.46	.05				:53	.14	.30	:32	1.47	.23
a. m.			:05	.47	.60				:57	.15	.15	:47	1.54	.28
8:47	0		:25	.49	.06	p. m.			3:03	.16	.10	:57	1.56	.12
9:10	.01	.03	:43	.53	.12	12:10	.13	.01	:07	.17	.15			
10:00	.01	0	:46	.54	.20	May 2			:10	.18	.20	p. m.		
:45	.02	.01	6:53	.55	.09	p. m.			:12	.19	.30	12:20	1.57	.03
11:49	.02	0	7:02	.56	.07	1:16	0		:22	.20	.06	1:56	1.57	0
			:04	.57	.30	5:20	.01	0	:25	.22	.08	:59	1.63	1.20
			:26	.59	.06	7:00	.02	.01	5:17	.21		2:09	1.66	.18
			:44	.63	.12	8:00	.02	0	:25	.22		:14	1.68	.24
			:52	.64	.08	:34	.03	.02						
			8:16	.70	.15	:45	.04	.05				May 27		
			:26	.74	.24	9:40	.04	0	a. m.	0		7:38	0	
			:33	.78	.34	10:20	.05	.02	1:30	.01	.05	:45	.02	.17
			9:02	.86	.16	:40	.05	0	2:00	.02	.03	8:25	.04	.03
			:20	.90	.12	11:30	.06	.01	5:00	.02	0			
			:48	.97	.12				7:00	.03	.01	May 29		
			10:03	1.03	.24	May 3						p. m.		
			:08	1.06	.36	a. m.						5:14	0	
			:20	1.14	.40	12:25	.07	.01				:32	.01	.03
			:30	1.21	.42	1:30	.09	.01	12:30	0		6:26	.01	0
			:35	1.22	.12	:40	.10	.06	:25	.01		:29	.05	.80
			:48	1.30	.36	:48	.10	0	:48	.02	.03	:31	.15	3.00
			11:03	1.38	.36	2:00	.10	0	3:00	.03	.05	:34	.17	.40
			:12	1.46	.56	3:00	.11	.01	:42	.04	.01	:41	.17	0
			:19	1.50	.36	4:30	.11	0	:50	.05	.08	:45	.18	.15
			:28	1.55	.35	6:40	.12	.01	4:15	.05	0	7:00	.19	.04
			:30	1.57	.60				:50	.07	.03	9:30	.19	0
			:40	1.61	.24	p. m.			6:00	.08	.01	:35	.22	.36
			:52	1.62	.05	7:30	0		7:40	.09	.01	:38	.23	.20
Apr. 16						12:00	.02		10:00	.10	T	:45	.29	.51
a. m.			Apr. 20			May 6			:40	.10	0	:51	.31	.20
4:00	.15	0	a. m.			p. m.			:55	.11	.04	10:00	.31	0
5:25	.16	.02	12:10	1.63	.03	6:37	0		12:00	.12	.01	:05	.33	.24
6:45	.17	.01	1:06	1.64	.01	:39	.03	.90				:15	.35	.12
Apr. 17			:18	1.64	0	:40	.13	6.00				:24	.35	0
p. m.			2:20	1.65	.01	:42	.27	4.20				:33	.39	.26
12:19	0		4:54	1.65	0	:44	.45	5.40				:45	.39	0
:38	.01	.03	5:22	1.66	.02	:47	.52	1.40				:51	.40	.10
:45	.04	.25	:28	1.67	.10	:48	.57	3.00						
2:30	.05	.01	:34	1.67	0	:52	.60	.45						
:55	.06	.02	:39	1.68	.12	:56	.62	.30						
3:40	.06	0	:50	1.63	0	:58	.63	.30						
5:20	.07	.01	6:00	1.69	.06	7:10	.63	0						
7:09	.08	.01	:08	1.69	0	:16	.64	.10						
:19	.08	0	:14	1.71	.20	:20	.67	.45						
:23	.11	.45	:15	1.73	1.20	:26	.68	.10						
8:05	.12	.01	:21	1.75	.20	:30	.69	.15						
:20	.13	.04	:22	1.77	1.20	:40	.70	.06						
Apr. 18			:23	1.81	.40	May 13								
a. m.			:31	1.85	.80	p. m.								
1:48	.13	0	:35	1.87	.30	7:00	0							
:56	.15	0.15	:41	1.92	.50	:20	.01	.03						
3:15	.15	0	:48	1.94	.17	May 15								
:18	.17	.40	:52	1.97	.45	a. m.								
:46	.17	0	:56	1.99	.30	9:30	0							
:55	.18	.07	7:08	2.04	.25	11:05	.01	.01						
4:23	.18	0	:22	2.05	.04	:17	.04	.15						
:37	.19	.04	:27	2.06	.12	:27	.06	.12						
6:20	.19	0	:32	2.09	.36	:40	.08	.09						
:50	.20	.02	:42	2.11	.12	:45	.08	0						
			:50	2.12	.08									
			9:30	2.12	0									
			:50	2.13	.03									
			10:15	2.14	.02									



TABLE 59.—Rainfall at central meteorological station 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
May 30			June 9			June 13			June 23			June 30		
<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
7:32	0.73	0.15	4:09	0.17	0.30	5:00	0		9:06	0.67	0.22	6:00	0.07	0
7:46	.75	.09	4:18	.17	0	6:30	.01	0.01	9:16	.69	.12	6:24	.08	.02
8:02	.76	.04	5:00	.18	.01	7:50	.02	.01	9:20	.70	.15	6:30	.09	.10
8:08	.77	.10				8:00	.04	.12	9:36	.75	.19	6:43	.12	.14
8:28	.78	.03	10:32	0					9:48	.77	.10	6:56	.13	.05
8:52	.80	.05	4:42	.01	.06	June 14			10:10	.78	.03	7:19	.13	0
9:07	.82	.08	4:56	.04	.13	<i>p. m.</i>						7:22	.15	.40
9:15	.83	.08	11:04	.05	.08	4:20	0		June 24			7:26	.16	.15
10:43	.83	0				5:12	.01	.01	<i>a. m.</i>			7:38	.16	0
10:47	.84	.15	June 10			5:22	.02	.06	3:08	0		7:44	.17	.10
10:55	.85	.03	<i>a. m.</i>			6:40	.06	.13	3:13	.01	.12	7:49	.18	.09
11:20	.86	.02	3:00	.05	0	6:52	.06	0	5:00	.01	0	7:57	.19	.08
1:20	.87	T	4:30	.07	.01	6:08	.08	.08	6:50	.02	.01	10:07	.21	.12
2:15	.89	.02	5:30	.07	0				10:26	.02	0	10:25	.22	.03
3:00	.89	0	7:00	.08	.01	June 15			11:10	.03	.15	10:35	.26	.24
3:51	.91	.06	<i>p. m.</i>			<i>p. m.</i>				.04	.02	10:45	.27	.06
3:19	.95	.09	1:09	0		4:00	0		June 25			11:05	.32	.30
4:45	.97	.05	1:10	.02	1.20	6:00	.02	.01	<i>p. m.</i>	0		11:09	.34	.12
4:08	.99	.05	1:14	.05	.45	8:12	.02	0	6:44	.03	.22	11:17	.37	.45
4:18	1.00	.06	1:17	.07	.40	8:40	.03	.02	7:04	.04	.05	11:23	.37	0
4:22	1.01	.15	1:20	.08	.20	9:00	.04	.03	7:10	.06	1.20	11:28	.41	.40
4:32	1.04	.18	1:22	.10	.60	June 18			7:40	.16	.24	11:39	.48	.26
4:40	1.05	.08	1:23	.12	1.20	<i>a. m.</i>			7:40	.18	.24	11:51	.52	.20
4:52	1.07	.10	1:24	.17	3.00	7:42	0		7:40	.19	.02			
5:40	1.11	.05	1:25	.25	4.80	7:48	.02	.20	8:20	.20	.05	July 1		
5:50	1.13	.12	1:26	.28	1.80	8:00	.06	1.20	10:07	.19	0	<i>a. m.</i>		
6:12	1.15	.05	1:28	.34	1.80	8:00	.09	.18	12:01	.20	.05	12:01	.53	.06
6:56	1.19	.05	1:32	.39	.75	8:10	.13	.17				12:05	.55	.30
7:20	1.20	.02	1:35	.49	2.00	8:20	.14	.09	June 26			12:16	.56	.05
7:40	1.21	.03	1:38	.56	1.40	8:20	.17	.36	<i>a. m.</i>	0		12:32	.57	.04
8:00	1.23	.06	1:41	.58	.40	8:26	.18	.02	7:40	.01	.02	12:43	.57	0
8:36	1.26	.05	2:10	.58	0	8:52	.19	.08	8:20	.01	.02	12:55	.61	.20
8:50	1.27	.04	2:14	.59	.15	9:00	.21	.15	10:00	.02	.01	1:28	.61	0
10:00	1.28	T	2:20	.60	.10	9:08	.22	.06				1:52	.63	.05
May 31			2:26	.62	.20	9:18	.22	.06	12:14	.02	0	2:06	.64	.04
<i>a. m.</i>			3:00	.63	.02	9:28	.23	.05	<i>p. m.</i>	.02	0	12:12	.65	.10
1:00	1.28	0	3:04	.64	.15	9:30	.23	.05	12:14	.04	.40	4:00	.65	0
3:00	1.29	T	3:08	.66	.30	9:32	.24	.30	12:17	.04	.40	6:00	.66	.01
5:40	1.29	0	3:12	.67	.15	10:00	.24	0	12:20	.10	1.20	7:00	.67	.01
6:50	1.30	.01	3:20	.71	.30	10:08	.25	.08	12:32	.11	.05			
7:30	1.31	.01	3:24	.72	.15	10:10	.26	.15	12:32	.11	.05	July 9		
8:20	1.31	0	4:20	.73	.01	10:18	.28	.06	12:32	.12	0	<i>p. m.</i>		
2:22	1.32	.30				10:33	.29	.30	12:32	.13	.30	10:00	0	
June 7			7:00	0		11:00	.29	0	12:32	.14	.02	10:04	.02	.30
<i>a. m.</i>			7:12	.01	.05	11:08	.33	.24	12:32	.14	0	July 10		
11:35	0		7:40	.02	.02	11:12	.39	1.80	12:32	.15	.01	<i>a. m.</i>		
11:42	.02	.17	12:00	.02	0	11:14	.41	.60	12:32	.15	.01	4:00	0	
11:54	.04	.10	June 11			June 19			12:32	.15	.01	5:30	.02	.01
<i>p. m.</i>			<i>a. m.</i>			12:20	.42	.01	<i>a. m.</i>	0		6:20	.02	0
12:04	.05	.06	2:00	.03	.01	12:35	.42	0	7:45	.05	3.00	7:00	.03	.02
12:30	.05	0	3:45	.03	0	1:37	.44	.60	7:46	.05	3.00			
12:54	.06	.02	4:48	.05	.40	1:40	.47	.60	7:47	.11	3.60			
1:02	.07	.08	4:04	.06	.04	1:43	.59	2.40	7:48	.17	3.60	July 11		
1:07	.07	.08	4:07	.07	.20	1:44	.68	5.40	7:50	.31	4.20	<i>p. m.</i>		
2:00	.07	0	4:11	.08	.15	1:46	.76	2.40	7:51	.35	2.40	1:40	0	
2:00	.07	0				1:48	.91	4.50	7:54	.38	.60	1:42	.05	1.50
4:00	.08	.01	<i>p. m.</i>			1:50	1.08	5.10	7:55	.45	4.20	1:44	.07	.60
6:20	.08	0	12:20	0	.60	1:52	1.12	1.20	7:57	.58	3.90			
7:44	.09	.02	12:24	.04	.60	1:53	1.20	4.80	7:59	.60	.60	4:23	0	
7:00	.10	.05	1:23	.04	0	1:57	1.42	3.30	8:04	.61	.12	4:28	.02	.24
June 8			1:26	.08	.80	1:59	1.44	.60	8:08	.64	.45	4:30	.02	0
<i>p. m.</i>			1:29	.13	1.00	2:00	1.50	.36	8:11	.73	1.80	4:38	.07	1.50
2:43	0	.60	1:31	.19	1.80	2:03	1.51	.04	8:13	.77	1.20	4:40	.08	.20
4:45	.02	.06	1:33	.23	1.20	2:07	1.52	.02	8:18	.80	.36	4:43	.13	1.50
5:10	.02	.06	1:35	.24	.09	June 22			8:21	.84	.80	4:45	.15	.36
5:55	.03	.15	1:40	.24	.09	<i>a. m.</i>			8:25	.85	.02	4:48	.16	.15
4:00	.04	.12	1:45	.28	.48	8:25	0		9:01	.94	.90	4:50	.19	.60
1:13	.04	0	2:30	.28	0	9:00	.01	.02	9:10	1.07	.87	4:51	.20	.12
1:16	.07	.60	3:00	.29	.02	June 23			9:14	1.10	.45	4:52	.22	1.50
1:19	.08	.20	June 12			<i>p. m.</i>			9:16	1.13	.90	4:53	.25	.60
1:40	.08	0	<i>p. m.</i>			2:00	0		9:19	1.19	1.20	4:54	.33	.15
5:20	.09	.02	12:10	0	.30	3:20	.02	.02	9:28	1.27	.53	4:59	.34	.60
June 9			12:12	.01	2.40	3:25	.05	.06	9:36	1.34	.52	5:00	.37	.60
<i>a. m.</i>			12:14	.09	1.20	4:30	.06	.01	9:50	1.43	.39	5:03	.38	.02
1:24	0	.80	12:17	.15	1.20	5:00	.07	.02	10:03	1.49	.28	5:09	.42	.80
1:27	.04	.30	12:19	.21	1.80	June 24			10:09	1.51	.20	6:09	.44	.60
1:29	.05	.12	12:21	.28	2.10	<i>p. m.</i>			11:00	1.51	0	6:12	.45	.02
1:34	.06	.01	12:26	.29	.12	8:20	0		11:08	1.52	.01	6:15	.46	.02
6:30	.06	0	12:32	.30	.10	8:23	.17	3.40	June 30			6:19	.47	.15
7:30	.07	.01	12:34	.31	.06	8:25	.28	3.30	<i>p. m.</i>	0		6:20	.48	.02
<i>p. m.</i>			12:36	.32	.60	8:27	.33	1.50	3:30	.01	.04	6:24	.49	.02
3:54	.07	0	12:37	.33	.02	8:28	.38	3.00	3:46	.01	0	6:28	.50	.02
5:7	.10	.60	12:38	.34	.02	8:29	.42	3.40	4:00	.01	0	6:32	.51	.02
5:9	.11	.30	12:39	.35	.02	8:30	.46	3.80	4:08	.02	.08	6:36	.52	.02
4:02	.12	.20	12:40	.36	.02	8:31	.51	4.20	4:10	.03	.05	6:40	.53	.02
5:05	.15	.60	12:41	.37	.02	8:32	.56	4.60	4:12	.04	.08	6:44	.54	.02
			12:42	.38	.02	8:33	.61	.18	4:14	.05	.10	6:48	.55	.02
			12:43	.39	.02	8:34	.66	.20	4:16	.06	.10	6:52	.56	.02
			12:44	.40	.02	8:35	.71	.22	4:18	.07	.10	6:56	.57	.02
			12:45	.41	.02	8:36	.76	.24	4:20	.08	.10	7:00	.58	.02
			12:46	.42	.02	8:37	.81	.26	4:22	.09	.10	7:04	.59	.02
			12:47	.43	.02	8:38	.86	.28	4:24	.10	.10	7:08	.60	.02
			12:48	.44	.02	8:39	.91	.30	4:26	.11	.10	7:12	.61	.02
			12:49	.45	.02	8:40	.96	.32	4:28	.12	.10	7:16	.62	.02
			12:50	.46	.02	8:41	.101	.34	4:30	.13	.10	7:20	.63	.02
			12:51	.47	.02	8:42	.106	.36	4:32	.14	.10	7:24	.64	.02
			12:52	.48	.02	8:43	.111	.38	4:34	.15	.10	7:28	.65	.02
			12:53	.49	.02	8:44	.116	.40	4:36	.16	.10	7:32	.66	.02
			12:54	.50	.02	8:45	.121	.42	4:38	.17	.10	7:36	.67	.02
			12:55	.51	.02	8:46	.126	.44	4:40	.18	.10	7:40	.68	.02
			12:56	.52	.02	8:47	.131	.46	4:42	.19	.10	7:44	.69	.02
			12:57	.53	.02	8:48	.136	.48	4:44	.20				



TABLE 59.—Rainfall at central meteorological station 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
July 15			Aug. 14			Aug. 26			Aug. 29			Sept. 9		
<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>a. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>	<i>p. m.</i>	<i>Inches</i>	<i>Inches per hour</i>
11:00.....	0.13	0.45	1:41.....	0.15	0.30	12:18.....	0.46	2.40	5:20.....	0.41	0.40	11:41.....	0.01	0
1:06.....	.14	.10	1:57.....	.16	.04	1:19.....	.51	3.00	5:26.....	.42	.10	1:48.....	.04	.26
3:00.....	.14	0	2:00.....	.30	2.80	2:21.....	.55	1.20	5:34.....	.44	.15	1:52.....	.04	0
4:00.....	.17	.18	2:02.....	.36	1.80	2:40.....	.56	.03	5:38.....	.48	.60	12:00.....	.06	.15
July 22			2:05.....	.40	.80	2:58.....	.56	0	5:48.....	.50	.12			
<i>p. m.</i>			2:06.....	.44	2.40	3:06.....	.58	.15	5:51.....	.52	.40	Sept. 10		
2:58.....	0		2:09.....	.46	.40	3:07.....	.59	.07	6:02.....	.54	.11	<i>a. m.</i>		
3:00.....	.04	1.20	2:15.....	.64	1.80	8:00.....	.60	.01	6:20.....	.55	.03	12:06.....	.06	0
3:02.....	.09	1.50	2:24.....	.64	0	Aug. 27			6:40.....	.58	.09	12:06.....	.09	.18
3:05.....	.10	.20	2:31.....	.76	1.03	<i>a. m.</i>			6:42.....	.63	1.50	12:16.....	.11	.30
3:06.....	.14	2.40	3:00.....	.77	.07	12:32.....	0		6:46.....	.66	.45	12:20.....	.11	.15
3:07.....	.19	3.00	3:05.....	.78	.01	1:40.....	.01	.08	7:00.....	.69	.13	12:32.....	.14	.10
3:10.....	.34	3.00	5:10.....	.78	0	1:49.....	.04	.20	7:06.....	.70	.02	12:38.....	.15	.06
3:15.....	.47	1.56	5:11.....	.80	1.20	1:51.....	.07	.90	7:10.....	.71	.10	12:48.....	.16	.05
3:19.....	.58	1.65	5:25.....	.82	.12	1:53.....	.16	2.70	7:16.....	.71	0	1:00.....	.16	.05
3:21.....	.67	2.70	5:54.....	.83	.15	1:54.....	.21	3.00	8:02.....	.73	.10	1:12.....	.17	.12
3:23.....	.70	.90	5:56.....	.85	0	1:58.....	.26	.75	11:20.....	.73	0	1:17.....	.18	.06
3:29.....	.74	.40	6:00.....	.86	.60	1:00.....	.27	.30				1:38.....	.20	.06
3:31.....	.75	.30	6:04.....	.87	.15	1:10.....	.28	.06	Aug. 30			1:44.....	.24	.40
3:38.....	.80	.43	6:20.....	.88	.04	1:20.....	.28	0	<i>a. m.</i>			2:00.....	.30	.22
5:12.....	.80	0	Aug. 18			1:22.....	.33	1.50	12:10.....	.74	.01	2:06.....	.32	.20
5:15.....	.84	.80	<i>p. m.</i>			1:26.....	.35	.30	12:12.....	.75	.02	2:12.....	.33	.10
5:19.....	.88	.60	5:50.....	0		1:29.....	.39	.80	1:42.....	.75	0	2:20.....	.34	.08
6:10.....	.88	0	5:55.....	.07	.84	1:37.....	.39	0	1:50.....	.77	.15	3:00.....	.35	.02
7:00.....	.89	.01	5:58.....	.16	1.80	1:40.....	.47	1.60	2:00.....	.77	0	4:00.....	.38	.03
8:29.....	.89	0	6:00.....	.16	0	1:45.....	.49	.24	2:04.....	.79	.05	Sept. 24		
8:36.....	.92	.27	6:06.....	.16	0	2:20.....	.50	.02	2:46.....	.79	0	<i>a. m.</i>		
8:55.....	.93	.03	6:08.....	.17	.10	8:38.....	0		3:30.....	.80	.01	9:30.....	0	
July 23			6:10.....	.17	.10	8:40.....	.03	.90	4:04.....	.80	0	10:10.....	.01	.02
12:23.....	0		6:20.....	.20	.90	8:44.....	.08	.75	4:14.....	.81	.06	11:01.....	.01	0
2:24.....	.01	.60	6:23.....	.49	3.48	9:08.....	.09	.02	4:30.....	.81	0	11:06.....	.05	.15
2:28.....	.18	2.55	6:19.....	.54	.50	1:17.....	.12	.36	5:00.....	.83	0	12:04.....	.06	.09
3:00.....	.24	1.80	6:25.....	.64	1.50	1:30.....	.14	.30	5:06.....	.84	.02			
3:27.....	.27	.45	6:30.....	.66	.12	1:31.....	.15	.08	5:14.....	.85	.04	<i>p. m.</i>		
4:00.....	.28	.10	6:36.....	.66	0	1:35.....	.24	.30	5:18.....	.85	.05	7:00.....	.06	0
5:02.....	0		6:55.....	.67	.02	1:38.....	.33	1.80	5:20.....	.87	.15	7:06.....	.07	.02
5:08.....	.06	.60	8:55.....	.68	.01	1:42.....	.41	1.20	5:22.....	.88	.10	7:12.....	.08	.15
5:10.....	.16	3.00	Aug. 22			1:44.....	.43	.60	5:24.....	.93	.33	7:18.....	.08	0
5:14.....	.17	.15	<i>p. m.</i>			1:56.....	.46	.90	5:26.....	1.07	.38	7:24.....	.16	1.60
5:17.....	.17	0	11:50.....	0		1:58.....	.46	.90	5:28.....	1.10	.90	7:30.....	.18	.60
7:34.....	.17	0	12:00.....	.01	.15	1:59.....	.52	3.60	5:34.....	1.16	.36	7:36.....	.18	.08
7:40.....	.20	.30	Aug. 23			10:03.....	.59	1.05	5:36.....	1.20	1.20	7:42.....	.19	.08
7:42.....	.25	1.50	<i>a. m.</i>			1:15.....	.89	3.00	5:38.....	1.28	.30	7:48.....	.20	.02
7:44.....	.36	3.30	12:06.....	.02	0	1:17.....	.92	1.00	5:40.....	1.36	.18	7:54.....	.23	.04
7:46.....	.36	6.60	12:16.....	.03	.06	1:24.....	.95	.26	5:42.....	1.45	.14	8:00.....	.26	.26
7:50.....	.78	3.00	12:45.....	.04	.02	1:38.....	1.27	1.37	5:44.....	1.49	.08	8:06.....	.30	.15
7:54.....	.88	1.50	2:00.....	.04	0	1:42.....	1.29	.30	5:46.....	1.50	.06	8:12.....	.36	.22
7:58.....	.92	.60	2:06.....	.05	.01	1:55.....	1.29	0	5:48.....	1.51	.03	8:18.....	.45	.90
8:00.....	.93	.30	2:10.....	.05	0	11:00.....	1.32	.36	5:50.....	1.58	.16	8:24.....	.55	1.50
July 24			2:16.....	.05	.02	11:06.....	1.33	.03	5:52.....	1.60	.09	8:30.....	.61	.75
<i>p. m.</i>			2:20.....	.06	.02	<i>p. m.</i>			5:54.....	1.63	.45	8:36.....	.66	.40
8:38.....	0		2:26.....	.06	0	2:34.....	1.33	0	5:56.....	1.65	.17	8:42.....	.67	.06
8:40.....	.03	.90	2:30.....	.06	0	2:41.....	1.38	.43	5:58.....	1.71	.33	8:48.....	.67	0
8:43.....	.16	2.60	2:36.....	.06	.04	2:43.....	1.38	.43	6:00.....	1.77	.45	8:54.....	.74	.07
8:46.....	.24	1.60	2:40.....	.08	0	2:45.....	1.39	.04	6:02.....	1.82	.43	Sept. 25		
9:00.....	.26	.09	2:46.....	.08	.02	3:10.....	1.39	0	6:04.....	1.84	.10	<i>a. m.</i>		
9:40.....	.28	.03	2:50.....	.09	0	3:16.....	1.40	.02	6:06.....	1.85	.07	12:50.....	.83	.11
10:25.....	.29	.01	Aug. 25			3:35.....	1.40	0	6:08.....	1.88	.15	1:00.....	.86	.18
July 26.....	.50	( <sup>3</sup> )	<i>a. m.</i>			3:40.....	1.43	.15	6:10.....	1.89	.03	1:06.....	.93	.18
July 27.....	.07	( <sup>3</sup> )	9:16.....	0		3:43.....	1.46	.11	6:12.....	1.90	.08	1:12.....	.97	.60
Aug. 6			9:40.....	.01	.02	3:45.....	1.47	.09	6:14.....	1.93	.13	1:18.....	1.06	.17
<i>a. m.</i>			11:00.....	.01	0	3:47.....	1.47	0	6:16.....	1.94	.05	1:24.....	1.09	.15
9:30.....	0		11:06.....	.02	.02	3:48.....	1.48	.20	6:18.....	1.94	0	1:30.....	1.12	.05
9:34.....	.01	.15	<i>p. m.</i>			3:50.....	1.51	.10	6:20.....	1.95	.07	1:36.....	1.13	.04
9:36.....	.06	.25	6:50.....	.02	0	3:52.....	1.51	.10	6:22.....	1.97	.30	1:42.....	1.13	0
9:40.....	.10	.17	7:00.....	.03	.06	3:54.....	1.54	.20	6:24.....	1.98	.05	1:48.....	1.14	.03
9:46.....	.11	.06	7:06.....	.03	0	3:56.....	1.56	.09	6:26.....	1.99	.03	1:54.....	1.15	.01
9:50.....	.11	0	7:12.....	.05	.08	3:58.....	1.60	.16	6:28.....	2.00	.15	2:00.....	1.15	0
9:56.....	.12	.04	7:18.....	.06	.12	4:00.....	1.66	.28	6:30.....	2.02	.08	2:06.....	1.16	.01
10:00.....	.12		7:24.....	.07	.12	4:02.....	1.67	.04	6:32.....	2.06	.06	Oct. 7		
10:06.....	.12		7:30.....	.09	.30	4:04.....	1.68	.15	6:34.....	2.06		<i>a. m.</i>		
10:12.....	.12		7:36.....	.09	0	4:06.....	1.69	.05	6:36.....	2.06		9:16.....	0	
10:18.....	.12		7:42.....	.09	.09	4:08.....	1.69	0	6:38.....	2.06		9:22.....	.01	.09
10:24.....	.12		7:48.....	.09	.30	4:10.....	1.71	.08	6:40.....	2.06		9:28.....	.06	.38
10:30.....	.12		7:54.....	.09	0	4:12.....	1.76	.30	6:42.....	2.06		9:34.....	.06	0
10:36.....	.12		7:58.....	.09	.60	4:14.....	2.26		6:44.....	2.06		9:40.....	.13	.32
10:42.....	.12		8:00.....	.09	.20	Aug. 29			6:46.....	2.06		9:46.....	.17	.40
10:48.....	.12		8:06.....	.09	.24	<i>p. m.</i>			6:48.....	2.06		9:52.....	.21	.34
10:54.....	.12		8:12.....	.09	.12	3:22.....	0		6:50.....	2.06		9:58.....	.22	.15
10:60.....	.12		8:18.....	.09	.30	3:24.....	.02	.40	6:52.....	2.06		10:04.....	.23	.01
10:66.....	.12		8:24.....	.09	.60	3:26.....	.06	1.20	6:54.....	2.06		10:10.....	.23	.01
10:72.....	.12		8:30.....	.09	.20	3:28.....	.13	.84	6:56.....	2.06		10:16.....	.23	.01
10:78.....	.12		8:36.....	.09	.24	3:30.....	.20	1.40	6:58.....	2.06		10:22.....	.23	.01
10:84.....	.12		8:42.....	.09	.12	3:32.....	.26	.90	6:60.....	2.06		10:28.....	.23	.01
10:90.....	.12		8:48.....	.09	.30	3:34.....	.27	.05	6:62.....	2.06		10:34.....	.23	.01
10:96.....	.12		8:54.....	.09	.60	3:36.....	.27	.05	6:64.....	2.06		10:40.....	.23	.01
11:02.....	.12		8:58.....	.09	.20	3:38.....	.27	.05	6:66.....	2.06		10:46.....	.23	.01
11:08.....	.12		9:00.....	.09	.12	3:40.....	.27	.05	6:68.....	2.06		10:52.....	.23	.01
11:14.....	.12		9:06.....	.09	.30	3:42.....	.27	.05	6:70.....	2.06		10:58.....	.23	.01
11:20.....	.12		9:12.....	.09	.60	3:44.....	.27	.05	6:72.....	2.06		11:04.....	.23	.01
11:26.....	.12		9:18.....	.09	.20	3:46.....	.27	.05	6:74.....	2.06		11:10.....	.23	.01
11:32.....	.12		9:24.....	.09	.30	3:48.....	.27	.05	6:76.....	2.06		11:16.....	.23	.01
11:38.....	.12		9:30.....	.09	.60	3:50.....	.27	.05	6:78.....	2.06		11:22.....	.23	.01
11:44.....	.12		9:36.....	.09	.20	3:52.....	.27	.05	6:80.....	2.06		11:28.....	.23	.01
11:50.....	.12		9:42.....	.09	.30	3:54.....	.27	.05	6:82.....	2.06		11:34.....	.23	.01
11:56.....	.12		9:48.....	.09	.60									



TABLE 59.—Rainfall at central meteorological station 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
Oct. 15			Nov. 1			Nov. 11			Nov. 26			Dec. 12		
a. m.	Inches	Inches per hour		Inches	Inches per hour		Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
7:00	0.10	0.07	6:00	0.95	0.02	10:00	0.70	0.03	11:00	1.11	0.03	8:00	0.58	0.01
:18	.12	.07	:20	.96	.03	:15	.71	.04	12:50	1.11	0			
8:00	.14	.03	:44	.97	.02	30	.73	.08	1:00	1.12	.06	Dec. 16		
:07	.15	.09	:48	1.00	.45	11:00	.81	.16	4:00	1.12	0			
:30	.16	.03	7:00	1.10	.50	:15	.82	.04	:10	1.13	.06	p. m.		
			:14	1.12	.09	12:00	.82	0	7:00	1.13	0	12:50	0	
									8:00	1.14	.01	:55	.05	.60
Oct. 17			Nov. 5			p. m.			Nov. 29			1:00	.05	0
4:06	0		a. m.			12:30	.83	.02				:08	.06	.08
:14	.04	.30	7:30	0	.02	1:00	.83	0	6:10 <sup>1</sup>	0		:13	.10	.48
:20	.08	.40	8:00	.01	0	2:00	.84	.01	a. m.			:24	.11	.05
:22	.08	0	:40	.01	0				:35	.02	.05	:27	.21	2.00
:25	.10	.40	9:00	.03	.06	Nov. 14			7:00 <sup>2</sup>	.03	.02	:31	.23	.30
:35	.11	.06	:45	.09	.08	p. m.						:40	.24	.07
			:48	.12	.60	6:00 <sup>1</sup>	0		Nov. 30					
Oct. 19	.27	( <sup>3</sup> )	10:00	.14	.10	Nov. 15			p. m.			Dec. 25		
Oct. 25			:20	.17	.09	a. m.			2:10	0		a. m.		
4:30	0		:35	.19	.08	8:15	.02	0	:30	.01	.03	10:20	0	.02
5:00	.02	.04	11:00	.19	0	9:00	.04	.03	3:00	.02	.02	11:00	.01	
:20	.06	.12	:30	.20	.02	:25	.06	.05	:30	.02	0	p. m.		
:40	.07	.03	:42	.24	.20	10:00	.06	0	4:00	.05	.06	1:00	.01	0
			:50	.25	.08	:20	.07	.03	:20	.06	.03	2:00	.02	.01
Oct. 26			12:00	.30	.30	11:00	.08	.02	5:00	.06	0	10:00	.02	0
p. m.			12:12	.34	.20	12:00	.08	0	:20	.07	.03	11:00	.03	.01
10:15	0		:22	.35	.06	1:00 <sup>2</sup>	.09	.01	8:00	.07	0	:20	.05	.06
:20	.01	.12	:30	.37	.15				:20	.08	.03	:52	.11	.11
:26	.01	0	:40	.38	.06	Nov. 23						12:00	.12	.08
:33	.03	.17	:52	.42	.20	p. m.			Dec. 2					
11:00	.03	0	1:00	.43	.08	3:00	0		p. m.			Dec. 26		
12:00	.04	.01	:16	.44	.04	4:00	.02	.02	12:30 <sup>1</sup>	0		a. m.		
Oct. 27			:20	.45	.15	:40	.02	0	4:00	.01	0	12:10	.13	.06
a. m.			:47	.47	.03	:45	.03	.12	6:00	.02	.01	:40	.15	.04
9:10	0		4:00	.48	.01	5:00	.03	0	7:00 <sup>2</sup>	.03	.01	1:00	.16	.03
11:30	.01	T	5:26	.48	0	:20	.04	.03				2:00	.19	.03
p. m.			:34	.50	.15	6:20	.04	0	Dec. 6			:35	.20	.02
12:10	.02	.02	Nov. 6			7:00	.06	.03	a. m.			3:00	.21	.04
Oct. 29			a. m.			:10	.06	0	8:00 <sup>1</sup>	0		:30	.21	0
2:00	0		12:35	0		:35	.07	.02	p. m.			4:00	.23	.04
:22	.01	.03	:45	.02	.12	8:00	.09	.05	1:00	.01	0	:10	.23	0
:30	.02	.08	:54	.03	.07	:15	.10	.04	2:00 <sup>2</sup>	.02	.01	7:00	.24	.06
3:00	.04	.04	1:00	.04	.10	9:00	.12	.03				:50	.25	.01
:15	.05	.04	:05	.06	.24	10:00	.12	0	Dec. 7					
:40	.11	.14	3:00	.06	0	:20	.14	.06	p. m.			3:45	0	
4:55	.11	0	4:00	.07	.01	:30	.16	.06	1:00	0		:50	.01	.12
5:00	.12	.12	5:30	.07	0	12:00	.17	.02	:40	.01	.02	:10	.04	.18
:15	.16	.16	6:00	.08	.02	Nov. 24			:33	.01	0	:33	.07	.18
:20	.16	0				a. m.			2:00	.01	0	:52	.14	.18
:30	.17	.06	Nov. 10			12:30	.18	.02	3:00	.02	.01	:27	.25	.35
:34	.17	0	a. m.			1:10	.18	0	4:00	.02	0	:31	.27	.15
:50	.21	.15	3:00	0		2:00	.21	.04	:40	.03	.02	:12	.31	.20
6:00	.21	0	:30	.02	.04	3:00	.25	.04	5:00	.05	.06	:20	.31	0
7:00	.22	.01	4:45	.02	0	4:00	.28	.03	6:00	.12	.07	:30	.34	.18
Nov. 1			5:00	.04	.08	:35	.28	0	:25	.14	.05	6:00	.35	.02
a. m.			7:00	.04	0	5:00	.29	.02	7:00	.15	.03	:25	.36	.02
6:05	0	0	8:00	.06	.02	Nov. 26			:45	.19	.10	7:00	.36	0
:35	.01	.02	p. m.			a. m.			8:00	.19	0	8:00	.37	.01
:40	.02	.12	11:55	0		11:00	0		:20	.22	.09	:20	.37	0
7:00	.03	.03	12:00	.01	.12	12:00	.01	.01				:40	.39	.06
:11	.04	.05	Nov. 11			p. m.			Dec. 12			10:00	.39	0
:30	.07	.09	a. m.			12:15	.10	0	a. m.			:25	.42	.09
8:00	.10	.06	12:30	.07	.12	1:00	.10	.12	6:00	0		:43	.43	.02
:23	.13	.08	1:20	.07	0	:17	.14	.14	:40	.01	.02	11:00	.44	.02
:35	.21	.40	2:00	.11	.06	:31	.21	.30	7:00	.01	0	:30	.45	.02
:43	.32	.82	:52	.15	.05	:51	.33	.36	8:00	.04	.03	:45	.45	0
9:00	.36	.14	3:00	.16	.08	2:00	.38	.30	:40	.08	.04	12:00	.46	.04
10:00	.47	.11	:10	.19	.18	:15	.45	.28	p. m.					
:49	.61	.17	:30	.31	.36	:27	.48	.15	12:30	.11	.06	Dec. 28		
11:00	.68	.38	:45	.37	.24	:50	.60	.31	:45	.15	.16	a. m.		
:12	.76	.40	4:00	.38	.04	3:00	.63	.18	4:00	.16	.04	3:00	.46	0
:30	.80	.13	:10	.39	.06	:28	.72	.19	:30	.16	.04	:35	.47	.02
:38	.84	.20	5:00	.42	.04	4:00	.75	.06	5:00	.16	.04	4:00	.48	.02
12:00	.87	.07	:06	.45	.30	:08	.76	.08	6:00	.19	.12			
			:30	.46	.02	:31	.81	.13	7:00	.21	.03	p. m.		
			6:35	.46	0	5:00	.82	.02	:20	.22	.06	6:00	0	
			:55	.47	.03	:50	.82	0	:10	.28	.36	:15	.01	.04
			7:00	.48	.12	6:00	.83	.06	:45	.28	0	:32	.03	.07
			:06	.49	.10	:12	.84	.05	3:00	.30	.08	:55	.11	.21
			:13	.52	.26	:32	.89	.15	:40	.31	.02	:10	.13	.12
			:40	.53	.02	7:00	.92	.06	4:00	.34	.09	:30	.20	.06
			:47	.56	.26	:37	.98	.10	5:00	.34	0	10:40	.20	0
			8:10	.56	0	8:00	1.00	.05	:10	.36	.12	:45	.23	.36
			:22	.58	.10	:50	1.00	0	:50	.48	.18	11:00	.26	.12
			:28	.62	.40	9:00	1.01	.06	6:00	.50	.12	:05	.27	.12
			:44	.66	.15	:30	1.02	.02	:25	.55	.12	:30	.29	.05
			9:00	.67	.04	10:00	1.04	.04	7:00	.56	.02	:40	.31	.12
			:40	.69	.03	:40	1.10	.09	:10	.57	.06	:50	.32	.06

<sup>1</sup> Snow began.<sup>2</sup> Snow ended.<sup>3</sup> No record.



TABLE 59.—Rainfall at central meteorological station 1940—Continued

Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity	Date and time	Accumulated depth	Intensity
Dec. 28			Dec. 29			Dec. 29			Dec. 29			Dec. 29		
p. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	a. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour	p. m.	Inches	Inches per hour
12:00-----	0.32	0	2:25-----	0.56	0.17	5:35-----	0.77	0.02	4:00-----	0.91	0	11:20-----	1.01	0.03
			:34-----	.60	.27	:50-----	.78	.04	:20-----	.93	.06	12:00-----	1.02	.02
Dec. 29			:50-----	.63	.11	7:00-----	.78	0	5:00-----	.95	.03			
a. m.			3:00-----	.63	0	:30-----	.80	.04	:30-----	.95	0	Dec. 30		
12:25-----	.33	.02	:20-----	.68	.15	8:00-----	.84	.08	6:00-----	.96	.02	a. m.		
1:35-----	.33	0	4:08-----	.68	0	:35-----	.86	.03	7:00-----	.97	.01	4:00-----	1.02	0
:43-----	.36	.22	:14-----	.72	.40	:45-----	.87	.06	:20-----	.98	.03	5:00-----	1.03	.01
:48-----	.44	.96	:24-----	.74	.12	9:00-----	.87	0	8:00-----	.99	.02	6:00-----	1.03	0
2:00-----	.49	.25	:38-----	.76	.09	:18-----	.90	.10	9:00-----	1.00	.01	7:00-----	1.04	.01
			5:00-----	.76	0	:40-----	.91	.03	11:00-----	1.00	0			

TABLE 60.—Monthly and annual rainfall, run-off, and percolation for lysimeter battery Y101,<sup>1</sup> 1940

## Vegetal cover and soil condition:

Jan. 10, grass and weeds 2 inches high, soil moist and firm.  
 Jan. 24, grass and weeds 2 inches high, frost penetration 2 inches.  
 Feb. 8, grass and weeds 2 inches high, frost penetration 3 inches.  
 Feb. 23, grass and weeds 2 inches high, soil moist and firm.  
 Mar. 7, grass and weeds 2 inches high, soil moist and soft.  
 Mar. 21, grass and weeds 2 inches high, soil moist and soft.  
 Apr. 5, grass and weeds 2 inches high, soil moist and soft.  
 Apr. 24, grass and weeds 2 inches high, soil fairly wet and soft.  
 May 7, grass and weeds 2 inches high, soil moist and soft.  
 May 22, grass and weeds 3 inches high, soil dry and loose.  
 June 5, grass, weeds, and briers 6 inches high, soil dry and loose.  
 June 19, grass, weeds, and briers 8 inches high, soil moist and soft.

July 9, grass, weeds, and briers 2 inches high, soil moist and soft.

July 24, grass, weeds, and briers 6 inches high, soil moist and soft.

Aug 7, grass and weeds 3 inches high, soil dry and loose.

Aug. 21, grass and weeds 5 inches high, soil dry and loose.

Sept. 13, grass and weeds 5 inches high, soil dry and loose.

Sept. 27, grass and weeds 3 inches high, soil moist and soft.

Oct. 10, grass and weeds 2 inches high, soil dry and loose.

Oct. 24, grass and weeds 3 inches high, soil dry and loose.

Nov. 7, grass and weeds 2 inches high, soil moist and soft.

Nov. 28, grass and weeds 2 inches high, soil moist and soft.

Dec. 10, grass and weeds 1 inch high, soil moist and soft.

## Pasture yields:

272 pounds of litter and 873 pounds of clippings per acre.

## Plant counts:

Canada bluegrass, 45 percent; poverty oats, 16 percent; timothy, 5 percent; miscellaneous weeds, 36 percent.

Month	Total rainfall	Total run-off			Total percolation			Box B	
		Box A	Box B (weighed)	Box C	Box A	Box B (weighed)	Box C	Recorded gain or loss in weight <sup>2</sup>	Difference in weight <sup>3</sup>
	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches	Inches
January-----	0.92	0.816	0.138	0.312	0.364	0.550	0.654	+0.63	+0.40
February-----	2.47	2.268	.492	1.260	.423	.868	1.103	+1.34	+.23
March-----	3.14	1.584	.816	1.572	1.283	1.462	2.050	-.07	-.93
April-----	4.38	.132	.012	.018	3.572	3.872	3.842	-.35	-.85
May-----	4.82	.024	.030	.024	1.145	1.240	1.240	+.63	-2.92
June-----	6.45	.420	.366	.276	2.531	2.334	2.514	+.42	-3.33
July-----	4.49	.042	.030	.030	1.198	1.300	1.324	-3.53	-6.74
August-----	7.02	.102	.072	.192	.426	.846	.756	+1.47	-4.63
September-----	1.97	.024	.030	.072	1.234	.550	.490	-1.81	-3.20
October-----	1.10	0	0	0	.042	.204	.102	-.81	-1.71
November-----	3.93	.024	.060	.120	.300	.444	.474	+3.46	+.03
December-----	1.97	.054	.018	.012	1.519	1.588	1.636	+1.79	+1.44
Year-----	42.66	5.490	2.064	3.888	14.037	15.258	16.185		+2.10 -24.31

<sup>1</sup> For soil moisture conditions of adjoining watersheds 102 and 104, see table 6.

<sup>2</sup> Weight expressed in equivalent depth of water over the surface area.

<sup>3</sup> Difference = rainfall - (run-off + percolation + gain or loss in recorded weight) = evapotranspiration and unaccounted-for losses, or condensation of atmospheric moisture and unaccounted-for accretions.



TABLE 61.—*Monthly and annual rainfall, run-off, and percolation for lysimeter battery Y102, <sup>1</sup> 1940**Vegetal cover and soil condition:*

Jan. 10, wheat 4 inches high, frost penetration 5 inches.  
 Jan. 24, wheat 4 inches high, frost penetration 6 inches.  
 Feb. 8, wheat 4 inches high, frost penetration 7 inches.  
 Feb. 23, wheat 4 inches high, frost penetration 1 inch.  
 Mar. 7, wheat 4 inches high, soil moist and soft.  
 Mar. 21, wheat 4 inches high, soil wet and soft.  
 Apr. 5, wheat 4.5 inches high, soil moist and soft.  
 Apr. 24, wheat 5 inches high, soil moist and soft.  
 May 7, wheat 5 inches high, soil moist and soft.  
 May 22, wheat 10 inches high, soil dry and loose.  
 June 5, wheat 22 inches high, soil dry and loose.  
 June 19, wheat 28 inches high, soil fairly wet and soft.  
 July 9, wheat 35 inches high, soil moist and soft.  
 July 12, wheat harvested.  
 July 24, clover 6 inches high, soil moist and soft.  
 Aug. 7, clover 6 inches high, soil dry and loose.  
 Aug. 21, clover 8 inches high, soil dry and loose.  
 Sept. 13, clover 9 inches high, soil dry and loose.

*Vegetal cover and soil condition—Continued.*

Sept. 27, clover 9 inches high, soil moist and soft.  
 Oct. 10, clover 8 inches high, soil dry and loose.  
 Oct. 24, clover 6 inches high, soil dry and crusted.  
 Nov. 7, clover 6 inches high, soil moist and soft.  
 Nov. 28, clover 3 inches high, soil moist and soft.  
 Dec. 10, clover 2 inches high, soil moist and soft.

*Tillage and planting:*

Sept. 1, 1939, spaded 6 inches deep.  
 Sept. 9, 1939, raked.  
 Oct. 2, 1939, fertilized using 150 pounds of 0-16-0 and 10 pounds of 20-0-0 fertilizer per acre, and seeded using 6 pounds of red clover, 3 pounds of alsike clover, 5 pounds of timothy, and 105 pounds of wheat per acre. Rows are on contour and 7 inches apart.

*Yield:*

26.6 bushels of grain and 169 pounds of litter per acre.  
 Mature height 34 inches. 2,973,000 stalks per acre.

Month	Total rainfall	Total run-off			Total percolation			Box C	
		Box A	Box B	Box C (weighed)	Box A	Box B	Box C (weighed)	Recorded gain or loss in weight <sup>2</sup>	Difference in weight <sup>3</sup>
January.....	<i>Inches</i> 0.90	<i>Inches</i> 0.048	<i>Inches</i> 0.036	<i>Inches</i> 0.330	<i>Inches</i> 0.123	<i>Inches</i> 0.044	<i>Inches</i> 0.016	<i>Inches</i> +1.49	<i>Inches</i> +0.94
February.....	2.22	.552	1.476	1.428	.453	.130	.128	+1.05	+ .39
March.....	3.36	.534	1.140	1.266	1.774	1.263	1.019	+ .35	- .72
April.....	4.07	.012	.078	.660	3.276	3.542	2.980	-1.56	-1.99
May.....	4.36	.546	.468	1.188	.360	.432	.354	- .71	-3.53
June.....	7.37	3.564	3.792	4.056	.132	.150	.066	- .94	-4.19
July.....	4.64	1.614	1.710	1.620	.052	.085	.015	-2.07	-5.08
August.....	7.25	3.252	3.204	3.786	.012	.024	.004	+ .72	-2.74
September.....	1.98	.264	.204	.492	0	.012	.004	-2.04	-3.52
October.....	1.12	0	0	.024	0	0	.003	- .76	-1.85
November.....	3.99	.402	.240	1.134	0	0	0	+2.71	- .15
December.....	2.82	.072	.036	.024	0	.088	0	+3.10	+ .30
Year.....	44.08	10.860	12.384	16.008	6.182	5.770	4.589	-----	{ +1.63 -23.77

<sup>1</sup> For soil moisture conditions of adjoining watershed 109 see table 6.

<sup>2</sup> Weight expressed in equivalent depth of water over the surface area.

<sup>3</sup> Difference = rainfall - (run-off + percolation + gain or loss in recorded weight) = evapotranspiration and unaccounted-for losses, or condensation of atmospheric moisture and unaccounted-for accretions.



TABLE 62.—Monthly and annual rainfall, run-off, and percolation for lysimeter battery Y103,<sup>1</sup> 1940*Vegetal cover and soil condition:*

Jan. 10, wheat 4 inches high, frost penetration 5 inches.  
 Jan. 24, wheat 4 inches high, frost penetration 6 inches.  
 Feb. 8, wheat 4 inches high, frost penetration 7 inches.  
 Feb. 23, wheat 4 inches high, frost penetration 1 inch.  
 Mar. 7, wheat 4 inches high, soil moist and soft.  
 Mar. 21, wheat 4 inches high, soil wet and soft.  
 Apr. 5, wheat 4.5 inches high, soil moist and soft.  
 Apr. 24, wheat 4.5 inches high, soil fairly wet and soft.  
 May 7, wheat 5 inches high, soil fairly wet and soft.  
 May 22, wheat 10 inches high, soil dry and loose.  
 June 5, wheat 20 inches high, soil dry and loose.  
 June 19, wheat 30 inches high, soil fairly wet and soft.  
 July 9, wheat 36 inches high, soil moist and soft.  
 July 12, wheat harvested.  
 July 24, clover 6 inches high, soil moist and soft.  
 Aug. 7, clover 6 inches high, soil dry and loose.  
 Aug. 21, clover 7 inches high, soil dry and loose.  
 Sept. 13, clover 7 inches high, soil dry and loose.

*Vegetal cover and soil condition—Continued.*

Sept. 27, clover 7 inches high, soil moist and soft.  
 Oct. 10, clover 6 inches high, soil dry and loose.  
 Oct. 24, clover 6 inches high, soil dry and soft.  
 Nov. 7, clover 5 inches high, soil moist and soft.  
 Nov. 28, clover 2 inches high, soil moist and soft.  
 Dec. 10, clover 1 inch high, soil moist and soft.

*Tillage and planting:*

Sept. 1, 1939, spaded 6 inches deep.  
 Sept. 9, 1939, raked.  
 Oct. 2, 1939, fertilized using 150 pounds of 0-16-0 and 10 pounds of 20-0-0 fertilizer per acre, and seeded using 6 pounds of red clover, 3 pounds of alsike clover, 5 pounds timothy, and 105 pounds of wheat per acre. Rows are on contour and 7 inches apart.

*Yield:*

22.0 bushels of grain and 179 pounds of litter per acre.  
 Mature height 34 inches. 2,919,000 stalks per acre.

Month	Total rainfall	Total run-off				Total percolation				Box A	
		Box A (weighed)	Box B	Box C	Box D	Box A (weighed)	Box B	Box C	Box D	Recorded gain or loss in weight <sup>4</sup>	Difference in weight <sup>5</sup>
	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>	<i>Inches</i>
June <sup>2</sup> .....	7.19	2.232	3.204	3.780	2.820	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-1.79	-----
July.....	3.42	.750	.816	1.254	.906	0.024	0.059	0.024	0.136	-1.99	-4.64
August.....	7.51	1.866	1.578	2.772	2.736	.124	.185	.035	.180	+.02	-5.50
September.....	1.82	.144	0	.114	.132	.018	.018	.011	.018	-1.80	-3.46
October.....	1.15	0	0	0	0	.018	.006	.006	.006	-.64	-1.77
November.....	4.43	.096	0	.132	.066	.018	.132	.012	.024	+3.46	-.86
December.....	3.36	0	.018	.018	.018	.732	.984	.816	.744	+2.44	-.19
June to December.....	28.88	5.088	5.616	8.070	6.678	.934	1.384	.904	1.108	-----	-16.42

<sup>1</sup> For soil moisture conditions of adjoining watershed 123 see table 6.

<sup>2</sup> Record began June 1, 1940.

<sup>3</sup> No record.

<sup>4</sup> Weight expressed in equivalent depth of water over the surface area.

<sup>5</sup> Difference=rainfall-(run-off+percolation+gain or loss in recorded weight)=evapo-transpiration and unaccounted for losses, or condensation and unaccounted-for accretions.



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